65

IMP. BUR. ENTOM.
— LIBRARY —
No. 3583.

Zoological Record
Vol. LXII, 1925 -

IMP. BUR.
31 AUG. 1926
ENTOM.

XI

INSECTA

PREPARED BY

THE IMPERIAL BUREAU OF ENTOMOLOGY

PRINTED FOR THE ZOOLOGICAL SOCIETY OF LONDON
AND
THE IMPERIAL BUREAU OF ENTOMOLOGY
41, QUEEN'S GATE, LONDON. S.W. 7.

PRICE FIFTEEN SHILLINGS
August, 1926.

THE MUSEUMS JOURNAL.

THE ORGAN OF THE MUSEUMS ASSOCIATION.

Articles, Reviews, and Notes on every Museum Aspect of Zoology: Collecting, Taxidermy, Preservation of Specimens, Installation of Exhibits, Museum Publications, Technique of Systematic Work.

Monthly, Price 2s. Dulau & Co., Margaret Street, London, W.1.

Free to Associates. Subscription £1 1s. 0d. per annum.

XI. INSECTA

BY

THE IMPERIAL BUREAU OF ENTOMOLOGY

CONTENTS

PAGE

I. TITLES 6

II. SUBJECT INDEX :—

General 142
Morphology 143
Physiology 146
Development 147
Ethology 148
Aetiology 152
Geography or Faunistic 154
Fossil Insects 161

III. SYSTEMATIC :—[Orders and families in alphabetical order.]

General 163
Anoplura 402
Coleoptera :— 163–236

Alleculidae 211
Amphizoidae 170
Anobiidae 186
Anthicidae 212
Anthribidae 223
Aphodiidae 201
Bostrychidae 186
Brenthidae 222
Bruchidae 232
Buprestidae 195
Byrrhidae 184
Cantharidae 189
Carabidae 165
Cassididae 236
Cerambycidae 225
Cetoniidae 203
Chrysomelidae 233
Cicindelidae 164
Cioidae 186
Cistelidae 211
Cleridae 187
Clytridae 233
Coccinellidae 183
Colydiidae 180
Copridae 200
Crioceridae 233

Coleoptera (*contd.*) :— PAGE

Cryptocephalidae ... 233
Cryptophagidae 180
Cucujidae 179
Cupedidae 170
Curculionidae 214
Cyphonidae 185
Dascillidae 186
Dasytidae 188
Dermestidae 184
Donaciidae 232
Drilidae 193
Dryopidae 184
Dynastidae 203
Dytiscidae 170
Elateridae 194
Endomychidae 182
Erotylidae 181
Eucnemidae 194
Eumolpidae 233
Galerucidae 235
Geotrupidae 201
Gyrinidae 170
Haliplidae 170
Halticidae 234
Helodidae 185
Hispidae 236
Histeridae 178
Hybosoridae 201
Hydrophilidae 184
Hydroscaphidae... ... 178
Hygrobiidae 170
Hylophilidae 212
Lagriidae 211
Lamiidae 228
Lampyridae 193
Languriidae 181
Lathridiidae 180
Liodidae 178
Lucanidae 199
Lycidae 191
Lyctidae 186
Lymexylonidae 187
Megalopidae 233

PAGE

Melandryidae 211
Melasidae 194
Meloidae 213
Melolonthidae 202
Melyridae 188
Micromalthidae 187
Monommidae 211
Mordellidae 213
Mycetophagidae ... 180
Nilionidae 211
Nitidulidae 179
Oedemeridae 212
Orsodacnidae 233
Othniidae 212
Parnidae 184
Passalidae 199
Paussidae 170
Pedilidae... 212
Permophilidae 236
Permosynidae 236
Phalacridae 180
Platypidae 221
Prionidae 225
Pselaphidae 176
Ptinidae 187
Pyrochroidae 212
Pythidae 211
Rhagophthalmidae ... 193
Rhipiceridae 186
Rhipiphoridae 213
Rutelidae 202
Scaphidiidae 178
Scolytidae 221
Scraptiidae 211
Silphidae 176
Staphylinidae 171
Stylopidae 213
Telephoridae 189
Tenebrionidae 204
Thorictidae 180
Trogidae... 202
Zylophilidae 212

Collembola 420

Dermaptera 410

Diptera :—... 327–369

Agromyzidae 367
Anthomyiidae 360
Apioceridae 347

Asilidae 348
Bibionidae 330
Blepharoceridae... ... 331

Diptera (*contd.*) :— PAGE

Bombyliidae 349
Borboridae 362
Cecidomyiidae 328
Chironomidae 331
Chloropidae 366
Conopidae 355
Cordyluridae 362
Culicidae 336
Cyrtidae 347
Diopsidae 367
Dixidae 340
Dolichopodidae 350
Drosophilidae 367
Empidae 350
Ephydridae 367
Geomyzidae 367
Helomyzidae 363
Heteroneuridae 363
Hippoboscidae 368
Lauxaniidae 364
Leptidae 347
Limnobiidae 340
Lonchaeidae 364
Milichiidae 367
Muscidae 360
Muscidae Acalyptratae ... 362
Muscidae Calyptratae ... 356
Mycetophilidae 328
Mydaidae 347
Nemestrinidae 347
Nycteribiidae 368
Oestridae 356
Omphralidae 347
Orphnephilidae 339
Ortalidae 364
Phoridae 352
Phytomyzidae 368
Pipunculidae 353
Platypezidae 353
Psilidae 366
Psychodidae 339
Ptychopteridae 339
Rhagionidae 347
Sapromyzidae 364
Scatomyzidae 362
Scatophagidae 362
Scenopinidae 347
Sciomyzidae 364
Sepsidae 365
Simuliidae 330
Stethopathidae 353
Stratiomyiidae 343
Streblidae 369
Syrphidae 354
Tabanidae 343
Tachinidae 356
Tanyderidae 340
Thaumaleidae 339
Therevidae 347
Tipulidae 340
Trichoceridae 340
Trypetidae 365

Embioptera 404

Ephemeroptera 406

Hemiptera :— 376–398

Acanthiidae 384
Aleurodidae 395
Anthocoridae 381
Aphidae 393
Aradidae 379
Belostomidae 384
Capsidae 382
Ceratocombidae... ... 383
Cercopidae 389
Cicadellidae 390
Cicadidae 385
Cimicidae 381
Cixiidae 387
Coccidae 396
Coreidae 378
Corixidae 385
Cryptostemmatidae ... 383
Cydnidae 377
Delphacidae 388
Derbidae 388
Dictyopharidae 387
Dysodiidae 379
Eurybrachidae 388
Flatidae 388
Fulgoridae 387
Gelastocoridae 385

Hemiptera (*contd.*):—	PAGE		PAGE
Gerridae	384	Notonectidae	384
Hydrometridae	383	Pentatomidae	377
Issidae	388	Phymatidae	380
Jassidae	390	Psyllidae	392
Lygaeidae	379	Pyrrhocoridae	379
Membracidae	389	Reduviidae	380
Mesoveliidae	381	Ricaniidae	388
Microphysidae	381	Saldidae	384
Miridae	382	Scytinopteridae	389
Mononychidae	385	Tettigometridae... ...	388
Myodochidae	379	Tingidae	379
Nabidae	381	Tropiduchidae	388
Naucoridae	384	Veliidae	383
Nepidae	384		

Hymenoptera :— 291–327

Agaonidae	314	Formicidae	306
Agriotypidae	318	Ichneumonidae	318
Ampulicidae	299	Masaridae	305
Apidae (s.l.)	291	Miscogastridae	316
Belytidae	313	Mutillidae	300
Bembicidae	299	Mymaridae	317
Bethylidae	299	Perilampidae	314
Braconidae	323	Philanthidae	299
Callimomidae	314	Platygastridae	313
Cerceridae	299	Pompilidae	304
Chalcididae	314	Proctotrypidae	313
Chrysididae	306	Psammocharidae ...	304
Cleonymidae	316	Pteromalidae	316
Cynipidae	317	Sapygidae	300
Diapriidae	313	Scelionidae	313
Dryinidae	299	Scoliidae	300
Encyrtidae	315	Serphidae	313
Eucharidae	314	Sphegidae	297
Eulophidae	317	Tenthredinidae	325
Eumenidae	305	Thynnidae	304
Eupelmidae	314	Trichogrammatidae ...	317
Eurytomidae	314	Trigonalidae	318
Evaniidae	325	Vespidae	305

Isoptera 403

Lepidoptera :— 237–289

Aegeriidae	282	Chrysopolomidae ...	275
Agaristidae	257	Cossidae	274
Anthelidae	264	Dalceridae	276
Arctiidae	254	Danaidae	239
Bombycidae	274	Dioptidae	272
Castniidae	276	Drepanidae	277
Ceratocampidae	274	Erycinidae	244

Lepidoptera (*contd.*) :— PAGE

Eupterotidae 265
Geometridae 266
Hepialidae 289
Hesperiidae 251
Hypsidae 257
Lasiocampidae 275
Libytheidae 244
Limacodidae 276
Liparidae 264
Lycaenidae 245
Lymantriidae 264
Megalopygidae 275
Micropterygidae (s.l.) ... 289
Noctuidae 257
Notodontidae 265
Nymphalidae 241
Papilionidae 249
Pieridae 247
Psychidae 274
Pterophoridae 282
Pyralidae 278
Ratardidae 275
Riodinidae 244
Saturniidae 273
Satyridae 239
Sematuridae 274
Sphingidae 264
Thyatiridae 265
Thyrididae 277
Tineidae (s.l.) 282
Tortricidae 288
Uraniidae 274
Zygaenidae 276

Mallophaga 402

Mecoptera 376

Neuroptera 372–376

Odonata 407–410

Orthoptera :— 411–420

Acrididae 417
Blattidae 411
Blattinopsidae 420
Gryllidae 414
Mantidae 413
Phasmidae 413
Tettigoniidae 415

Palaeodictyoptera 407

Paraneuroptera 407–410

Plecoptera 405

Protocoleoptera 236

Protura 421

Psocoptera 402

Siphonaptera 369

Thysanoptera 398–401

Thysanura 420

Trichoptera 371

I.—TITLES.

1.—Contribution au catalogue des Lépidoptères de la Gironde. Actes Soc. linn. Bordeaux **77** 1925 pp. 5–13.

2.—Comment recueillir les oeufs et les larves de moustiques. Arch. Inst. Pasteur Algérie, Algiers **2** 1924 pp. 421–422 1 fig. [Dipt.]

3.—**Abbott,** C. E. Associative memory in the larvae of *Anax junius.* Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 533–536. [Odon.]

4.—**Abbott,** C. E. The relative importance of vision and the chemical sense in *Anax* larvae. Psyche, Boston **32** 1925 pp. 315–318. [Odon.]

5.—**Abderhalden,** E. Studien über das Wachstum von Raupen. Hoppe-Seyler's Zs. physiol. Chem., Strasburg **127** 1923 pp. 93–98 2 tables, 3 figs. [Lep.]

6.—**Abeille,** E. Etude sur les Zygènes des environs de Marseille et de la région de la Sainte-Baume. Mém. Soc. linn. Provence, Marseilles **1** 1909 pp. 1–24. [Lep.]

7.—**Abreu,** E. S. Monografia de los Phoridos de las Islas Canarias. Mem. R. Acad. Ci., Barcelona **17** no. 1 1921 pp. 1–90 1 pl. figs. [Dipt.]

8.—**Abreu,** E. S. Monografia de los Syrphidos de las Islas Canarias. Mem. R. Acad. Ci., Barcelona **19** no. 1 1924 pp. 1–148 4 pls. 14 figs. [Dipt.]

9.—**Achard,** J. Notes sur les *Colaspidema* et genres voisins. Fragments ent., Prague **1923** pp. 126–128 (not completed). [Col.]

10.—**Achard,** J. Descriptions de trois variétés nouvelles du genre *Scaphidiolum* Achard (Col. Scaphidiidae). Sbornik ent. Odd. Národ. Mus. Praze **2** (15) 1924 p. 91.

11.—**Achard,** J. Nouveaux Chrysomélides d'Afrique (Col.). Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 105–106.

12.—**Achard,** J. Synopsis des *Cosmogramma* (Col. Chrysomel.). Bull. Soc. ent. France, Paris **1925** pp. 82–85.

13.—**Achard,** J. Note sur le genre *Pseudomela* Baly (Col. Chrysomelidae). Ann. Soc. ent. France, Paris **94** 1925 pp. 421–426.

14.—**Achard,** J. Notes sur les *Plagiodera* d'Amérique (Col. Chrysomelidae) et descriptions d'espèces nouvelles. Ann. Soc. ent. France, Paris **94** 1925 pp. 427–439.

15.—**Adair,** E. W. On parthenogenesis in *Miomantis savignyi* Sauss. (Orthop.). Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 104–148.

16.—**Adams,** C. C., **Burns,** G. P., **Hankinson,** T. L., **Moore,** B. & **Taylor,** N. Plants and animals of Mount Marcy, New York. Ecology, Brooklyn **1** 1920 pp. 277–278.

17.—**Adamstone,** F. B. The bottom fauna of Lake Nipigon. Univ. Toronto Studies Biol. Ser. no. **24** 1924 pp. 60–65.

18.—**Adkin,** R. Dispersal of Butterflies and other Insects. Nature, London **116** 1925 p. 467.

19.—**Adkin,** R. Some phases of parallel variation in the British Lepidoptera. Proc. S. London Ent. & N. H. Soc., London **1924–25** pp. 8–15 3 pls.; and Trans. Eastbourne Nat. Hist. Soc. **9** 1925 pp. 2–11.

20.—**Adkin,** R. Entomology, ancient and present day. Proc. S. London Ent. & N. H. Soc., London **1924–25** pp. 28–44.

21.—**Ahlberg,** O. Zikaden-Parasiten. Medd. Centralanst. Försöks. Jordbruks., Stockholm no. **287** (Ent. Avdel. no. **46**) 1925 pp. 79–86 6 figs. [Col. Hym.]

22.—**Ahlberg,** O. Ueber die Biologie und die Entwicklungs-stadien des *Liothrips setinodis* Reut. Ent. Tidskr., Stockholm **46** 1925 pp. 146–151 3 figs. [Thysanopt.]

23.—**Ahlberg,** O. Bemerkungen über neue oder seltene schwedische Thysanopteren nebst Verzeichnis der schwedischen Arten. Ent. Tidskr., Stockholm **46** 1925 pp. 152–156.

24.—Ahrens, L. E. Sur la biologie et la systématique de *Pterochilus chevrieranus* Sauss. (Hymenoptera, Eumenidae). Rev. russe Ent., Leningrad **18** 1924 pp. 175–180. [Also in Russian.]

25.—Aichele, F. Neuere Beiträge zur Lepidopteren-Fauna Württembergs. Soc. ent., Stuttgart **40** 1925 pp. 17–18.

26.—Ainslie, C. N. Notes on the habits and life-history of *Calligrapha pnirsa* Stål (Coleoptera). Canad. Ent., Orillia **57** 1925 pp. 209–211.

27.—Albers, T. Über Nigrismus bei *Brenthis selene* Schiff. Intern. ent. Zs., Guben **19** 1925 pp. 277–279 1 pl. [Lep.]

28.—Albrecht, K. Das Aufhängen der Stürzpuppen. Ent. Zs., Frankfort on M. **38** 1924 pp. 14–16 10 figs. [Lep.]

29.—Aldrich, J. M. A new Tachinid parasite of a cocoanut moth in South Asia (Diptera). Proc. Ent. Soc. Washington **27** 1925 p. 13.

30.—Aldrich, J. M. Two new species of the Tachinid genus *Lixophaga* with notes and key (Diptera). Proc. Ent. Soc. Washington **27** 1925 pp. 132–136.

31.—Aldrich, J. M. New Diptêra or two-winged Flies in the United States National Museum. Proc. U. S. Nat. Mus., Washington **66** art. 18 no. 2555 1925 pp. 1–36 fig.

32.—Aldrich, J. M. A new *Leucopis* from San Francisco. Pan-Pacific Ent., S. Francisco **1** 1925 p. 152. [Dipt.]

33.—Aldrich, J. M. Notes on some types of American Muscoid Diptera in the collection of the Vienna Natural History Museum. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 107–130 456–469 1 fig.

34.—Aldrich, J. M. *Sarcophaga* and allies in North America. Thomas Say Foundn., Ent. Soc. Amer., La Fayette, Indiana 1916 pp. 1–301 16 pls. [Dipt.]

35.—Aldrich, J. M. The Muscoid genus *Pseudoservillia* Tns. (Diptera). Ann. Mag. Nat. Hist., London (9) **16** 1925 p. 528. [Dipt.]

36.—Alessandrini, G. Lo studio biologico della risaia. "La Risicoltura e la Malaria nelle zone risicole d'Italia", Minist. Interno e Economia Nazionale, Rome 1925 33 pp. 6 figs. [Dipt.]

37.—Alexander, C. P. The crane-flies of the Chatham Islands (New Zealand) (Tipulidae, Diptera). Rec. Canterbury Mus., Christchurch N.Z. **2** 1924 pp. 165–170.

38.—Alexander, C. P. An undescribed species of *Tanyderus* from Western Australia (Diptera, Tanyderidae). Insec. Insc. Menst., Washington **13** 1925 pp. 32–34.

39.—Alexander, C. P. Undescribed species of crane-flies from the Eastern United States and Canada (Dipt.: Tipulidae). Ent. News, Philadelphia **36** 1925 pp. 200–204, 229–230.

40.—Alexander, C. P. Studies on the crane-flies of Mexico, Part I. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 341–359 2 pls. [Dipt.]

41.—Alexander, C. P. Crane-flies from the Maritime Province of Siberia. Proc. U. S. Nat. Mus., Washington **68** 1925 art. 4 no. 2605 pp. 1–21 1 pl. [Dipt.]

42.—Alexander, C. P. Tipulidae collected by the University of Iowa Fiji—New Zealand Expedition. Univ. Iowa Studies Nat. Hist., Iowa City **11** 1925 pp. 12–16. [Dipt.]

43.—Alexander, C. P. New or little-known Tipulidae from the Philippines (Diptera), Parts II & III. Philipp. J. Sci., Manila 1925 **27** pp. 71–81; **28** pp. 369–376 1 pl.

44.—Alexander, C. P. New or little-known Tipulidae (Diptera). XXVI-XXVII — Palaearctic species. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 65–81, 385–403 4 figs.

45.—Alexander, C. P. New or little-known Tipulidae (Diptera). XXVIII-XXIX Australasian species. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 634–651 2 figs.; (9) **16** 1925 pp. 65–81.

46.—Alexander, C. P. New or little-known crane-flies, Part I. Encyc. ent. Sér. B. II Dipt. **2**, Paris 1925 pp. 87–93 11 figs. [Dipt.]

47.—Alfken, J. D. Die Insekten des Memmert. Zum Problem der Besiedelung einer neuentstehenden Insel. Abh. naturw. Ver. Bremen **25** 1924 pp. 358–481.

48.—Alfken, J. D. Zwei neue indische *Prosopis*-Arten und über die 3 grossen indischen *Xylocopa*-Species (Apid.). Ent. Mitt., Berlin **14** 1925 pp. 371–375. [Hym.]

49.—Alfken, J. D. *Nomada moeschleri* Alfk. D. ent. Zs., Berlin **1925** pp. 126-128. [Hym.]

50.—Alfken, J. D. *Prosopis meridionalis* Först. (Hym. Apid.). D. ent. Zs., Berlin **1925** pp. 85–87.

51.—Alfken, J. D. Über die Lebensweise der Holzschneidebienen (Xylocopidae) von Sumatra. Ent. Rdsch., Stuttgart **42** 1925 pp. 41–42. [Hym.]

52.—Alfken, J. D. Eine neue deutsche *Andrena*-Art aus der *A. parvula* W. K. Gruppe. Mitt. badischen ent. Ver., Freiburg i. Br. **1** 1925 pp. 165–167. [Hym.]

53.—Alfken, J. D. Ueber das Männchen von *Liris haemorrhoidalis* F. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 71–72. [Hym.]

54.—Alluaud, C. Carabiques recueillis par le Marquis S. Patrizi en Afrique Orientale. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–24) 1923 pp. 128–132. [Col.]

55.—Alluaud, C. Description d'un Carabique nouveau de l'île Maurice: *Orophicus antelmei* nov. gen., sp. n. Bull. Soc. ent. France, Paris **1925** pp. 160–161. [Col.]

56.—Alluaud, C. Notes sur les Carabiques. 1. Etudes des types décrits par F. Ancey. Bull. Soc. ent. France, Paris **1925** pp. 175–177. [Col.]

57.—Alluaud, Ch. Description d'un Calosome nouveau du sud de Madagascar (Coléoptère, Carabidae). Bull. Mus. Hist. nat. Paris **1925** pp. 163–164.

58.—d'Almeida, R. F. Quelques rectifications sur les *Actinote* de la partie orientale de l'Amérique du Sud. (Lép. Rhopalocères). Ann. Soc. ent. France, Paris **94** 1925 pp. 333–354.

59.—Alpatov, W. W. Ueber die Verkleinerung der Rüssellänge der Honigbiene vom Süden nach dem Norden hin. Zool. Anz., Leipzig **65** 1925 p. 103.

60.—Alpatov, W. Die Variabilität und die niedrigsten systematischen Kategorien bei den Ameisen. [In Russian with German summary.] Rev. zool. russe, Moscow **4** 1–2 1924 pp. 227–244. [Hym.]

61.—Alsterberg, G. Die Nahrungszirkulation einiger Binnenseetypen. Arch. Hydrobiol., Stuttgart **15** 1924 pp. 291–338. [Dipt.]

62.—Alvarez, R. Z. Contribución al estudio de los Bathysciinae Catalanes. Publ. Junta Ci. nat., Barcelona **4** no. 7 1924 pp. 1–18 9 figs. [Col.]

63.—Alverdes, F. Die Rolle einer "kumulierten Nachwirkung" in der Stammesgeschichte. Zs. indukt. Abstammgslehre., Berlin **27** 1922 pp. 52–64 5 figs.

64.—Alverdes, F. Der Schutzinstinkt der Köcherfliegenlarve. Biol. Zentralbl., Leipzig **45** 1925 pp. 149–154. [Trichopt.]

65.—Alverdes, F. Körperstellung und Lokomotion bei Insekten nach Eingriffen am Gehirn. Biol. Zentralbl., Leipzig **45** 1925 pp. 353–364.

66.—Alverdes, F. *Notonecta* nach einseitiger Blendung. Zs. wiss. Zool., Leipzig **124** 1925 pp. 382–405 1 pl. [Hem.]

67.—Amsel, H. G. Neue und seltene Kleinschmetterlinge der Mark Brandenburg. D. ent. Zs., Berlin **1925** pp. 10–12. [Lep.]

Andersen, J. C. *see* Philpott, Castle & Andersen.

68.—Anderson, T. J. The coffee bug *Antestia lineaticollis*, Stål. Br. E. Africa Dept. Agric., Nairobi Div. Ent. Bull. **1** 1919 53 pp. 7 figs. [Hem.]

69.—André, E. Sur un cas de myiase cutanée chez l'homme. Parasitology, Cambridge **17** 1925 pp. 173–175 3 figs. [Dipt.]

70.—Andreas, K. Die zucht von schwarzen Kiefernschwärmern aus dem Ei und Beschreibung einer neuen Varietät dieses Schwärmers = *Hyloicus pinastri* var. *semilugens*. Intern. ent. Zs., Guben **18** 1925 pp. 237–240, 241–242. [Lep.]

71.—Andres, A. Tenebrionidae gesammelt von der Kommission zur Erforschung Mazedoniens . . . Staatssammlung in München. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 65–69. [Col.]

72.—Andres, A. Zur Biologie von *Dermestes frischi* Kugel. (Speckkäfer). Anz. Schädlingsk., Berlin **1** 1925 pp. 105–106. [Col.]

73.—Andres, A. & Seitz, A. Die Lepidopteren-Fauna Aegyptens. (Nachtrag zum ersten Teil.) Senckenbergiana, Frankfort on M. **7** 1925 pp. 54–61.

74.—Andrewes, H. E. Papers on Oriental Carabidae XV. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 306–313. [Col.]

75.—Andrewes, H. E. Notes on Oriental Carabidae—VII. Ent. Mo. Mag., London **61** 1925 pp. 49–58 1 pl. [Col.]

76.—Andrewes, H. E. A revision of the Oriental species of the genus *Tachys*. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1925 pp. 327–502 2 pls. [Col.]

77.—Andrews, E. A. The Thrips pest of tea in Darjeeling. Indian Tea Assoc., Sci. Dept., Qtrly. J., Calcutta **1925** pp. 60–105. [Thysanopt.]

78.—Andrews, E. A. McCook's ant mounds in Pennsylvania, revisited (Hymen.: Formicidae). Ent. News, Philadelphia **36** 1925 pp. 173–179.

79.—Andrews, E. A. Growth of ant mounds. Psyche, Boston **32** 1925 pp. 75–87. [Hym.]

80.—Anger, F. Zwei neue Schmetterings-Aberrationen aus dem Gebiete des ehemaligen österr. Kustenlandes. Zs. österr. Ent.-Ver., Vienna **4** 1919 pp. 4–5. [Lep.]

81.—Antoine, M. Notes d'Entomologie marocaine. Bull. Soc. Sci. nat. Maroc, Rabat **5** 1925 pp. 17–40 1 fig. [Col.]

82.—Antram, C. B. Butterflies of India. Calcutta 1924 pp. 1–226 412 figs. [Lep.]

83.—Arbuckle, H. B. The life and habits of the honey bee. J. Elisha Mitchell Sci. Soc., Chapel Hill, N.C. **41** 1925 pp. 47–63. [Hym.]

Argo, N. G. *see* Melander & Argo.

84.—Arias Encobet, J. Entomologia de Catalunya. Dipters. Fascicle I. Generalitats i Classificació 56 pp. Inst. d'Estudis Catalans, Barcelona 1914 [1917]. [Dipt.]

85.—Arnold, E. Aberrative Stücke aus Münchner Sammlungen. Mitt. münchn. ent. Ges., Munich **9** 1919 pp. 50–54; **10** 1920 pp. 15–16, 21–26, figs. [Lep.]

86.—Arnold, G. The Sphegidae of South Africa. v–vi. Ann. Transvaal Mus., Pretoria **11** 1924 pp. 1–73 2 pls. 42 figs.; **11** 1925 pp. 137–175 25 figs. [Hym.]

87.—Arrow, G. J. The Fauna of British India, Coleoptera. Erotylidae, Languriidae and Endomychidae. London 1925 viii + 416 pp. 1 pl. 1 map 76 figs.

88.—Arrow, G. J. Notes on the Coleopterous families Hybosoridae and Trogidae. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 328–331.

89.—Arrow, G. J. A few new species of Melolonthine Coleoptera. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 209–221 6 figs. [Col.]

90.—Arrow, G. J. New Erotylidae. Nova Guinea, Leyden **15** 1924 pp. 5–8. [Col.]

91.—Aue, A. U. E. Die Insektenkunde als Weg zur Erkenntnis des Schönen in der Natur. Ent. Zs., Frankfort on M. **38** 1924 pp. 45–46, 49–50.

92.—Aue, A. U. E. *Acherontia atropos*, L. Ent. Zs., Frankfort on M. **38** 1925 pp. 61–62, 69–72, 76. [Lep.]

93.—Aue, A. U. E. Entomologisches Allerlei. Ent. Zs., Frankfort on M. **39** 1925 pp. 89–90.

94.—Aue, A. U. E. Entomologisches Allerlei. Ent. Zs., Frankfort on M. **39** 1925 pp. 109–110, 114–115.

95.—Auel, H. Halsschild-Deformation bei *Melolontha* (Col., Scarab.). Zs. wiss. Insektenbiol., Berlin **20** 1925 p. 66 2 figs.

96.—d'Auriol, H. Etudes sur les Piérides du Jura. Arch. Sci. phys., Geneva (4) **44** 1917 pp. 32–47, 111–121. [Lep.]

97.—Aurivillius, C. Neue oder wenig bekannte Coleoptera Longicornia, 20. Ark. Zool., Stockholm **17A** no. 12 1925 pp. 1–21 7 figs.

98.—Aurivillius, C. Dr. E. Mjöberg's Zoological Collections from Sumatra. 3. Cerambyciden. Ark. Zool., Stockholm **17B** no. 1 1925, pp. 1–4 1 fig. [Col.]

99.—Aurivillius, C. Zoological Results of the Swedish Expedition to Central Africa, 1921. Insecta. 13. Cerambycidae. Ark. Zool., Stockholm **17B** no. 2 1925 pp. 1–3. [Col.]

100.—Aurivillius, C. Sammlungen der Schwedischen Elgon-Expedition im Jahre 1920. 7. Cerambyciden. Ark. Zool., Stockholm **17B** no. 3 1925 pp. 1–6. [Col.]

101.—Aurivillius, C. Om F. Bryks samlingar i Ost-Afrika. Ent. Tidskr., Stockholm **46** 1925 pp. 206–212. [Lep.]

102.—Aurivillius, C. Cerambycides nouveaux du Musée du Congo Belge. Rev. zool. afr., Brussels **13** 1925 pp. 52–56 1 fig. [Col.]

103.—Austen, E. E. A contribution to knowledge of the blood-sucking Diptera of the Dardanelles. Bull. Ent. Res., London **16** 1925 pp. 1–23 6 figs.

104.—Auten, M. Insects associated with spider nests. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 240–250.

105.—Auzat, —. Travaux scientifiques de l'Armée d'Orient (1916–1918). Coléoptères Histérides. Bull. Mus. Hist. nat. Paris **1925** pp. 74–76.

106.—Babiy, P. P. Neues zum Hummelproblem. Zs. wiss. Zool., Leipzig **125** 1925 pp. 502–512. [Hym.]

Bacot, A. W. *see* Martin & Bacot.

107.—Baeckmann, J. Zur Kenntnis der Cerambyciden Ostsibiriens. [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 229–234. [Col.]

108.—Baer, W. Die Parasiten der Kieferneule. Zs. angew. Ent., Berlin **11** 1925 pp. 23–34. [Lep.]

109.—Bailey, I. W. Some relations between ants and fungi. Ecology, Brooklyn **1** 1920 pp. 174–189 3 pls. [Hym.]

Baillon, P. C. de *see* Cappe de Baillon, P.

110.—Baker, C. F. Nomenclatorial notes on the Jassoidea, III, IV. Philipp. J. Sci., Manila **27** 1925 pp. 159–160, 537. [Hom.]

111.—Baker, C. F. Remarks on certain Indo-Malayan *Fulgora,* with special reference to Philippine species. Philipp. J. Sci., Manila **28** 1925 pp. 343–362 10 pls. [Hom.]

112.—Balachowsky, A. Notes sur la présence accidentelle de l'*Eburia quadrigeminata* (Say 1827) Coléoptère Cerambycidae de l'Amérique du Nord à Alger. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 p. 107.

113.—Baldi, E. Notes et observations sur l'action exercée par les rayons X sur les adultes et les chenilles de *Galleria mellonella.* Bull. biol. France Belgique, Paris **58** 1924 pp. 381–401. [Lep.]

114.—Balduf, W. V. The feeding of a common tiger beetle (Coleop., Cicindelidae). Ent. News, Philadelphia **36** 1925 pp. 275–276.

115.—Balfour-Browne, F. Concerning the habits of Insects. Cambridge University Press, 1925 x + 169 pp. 9 pls. 4 figs.

116.—Ball, E. D. Some new species of North American treehoppers (Membracidae, Hemiptera). J. Washington Acad. Sci. **15** 1925 pp. 200–205.

117.—Ball, E. D. & **De Long,** D. M. The genus *Dikraneura* and its allies in North America. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 324–337 3 pls. [Hom.]

118.—Ballard, E. A preliminary note on the life-history of certain Anthomyiid flies, *Atherigona* spp. and *Acritochaeta excisa,* Thomson. Rept. Proc. 5th Ent. Meet. Pusa, **1923** Calcutta 1924 pp. 275–277 1 pl. [Dipt.]

119.—Ballard, E. & **Ramachandra Rao,** Y. *Natada nararia,* Moore. Madras Agric. Dept. Year Book **1920–21,** 1921 pp. 1–6. [Lep.]

120.—Ballou, L. M. Some Dipterous galls of Southern California. J. Ent. & Zool., Claremont, Cal. **17** 1925 pp. 1–8 29 figs.

121.—Bandermann, F. *Celerio euphorbiae,* seine Formen und sein Auftreten in Europa. Intern. ent. Zs., Guben **18** 1925 pp. 217–219. [Lep.]

122.—Bandermann, F. Die drahtlose Telephonie der Insekten. Intern. ent. Zs., Guben **19** 1925 pp. 87–88.

123.—Banks, N. Psammocharidae from Panama. Bull. Mus. Comp. Zoöl., Cambridge, Mass. **67** 1925 p. 329. [Hym.]

124.—Bänninger, M. Zur Kenntnis der schweizerischen Carabinae mit Berücksichtigung der Gattung *Bembidion* (Col.). 7. Beitrag zur Kenntnis der Carabinae. Schweiz. ent. Anz., Zürich **4** 1925 pp. 1–5, 13–15, 17–19.

125.—Bänninger, M. Neunter Beitrag zur Kenntnis der Carabinae: die Nebriini. Ent. Mitt., Berlin **14** 1925 pp. 180–195, 256–281, 329–343. [Col.]

126.—Baranov, N. Neue Dipteren aus Serbien. [In Serbian and German.] Landw. Versuchsstation Topčider (Serbia) no. **1** 1925 11 pp. 8 figs.

127.—Baranov, N. Material zum Bau eines neuen Acridodeen-Systems. [In Serbian with German summary.] Landw. Versuchsstation Topčider (Serbia) no. **3** 1925 28 pp. 2 pls. [Orth.]

128.—Baranov, N. Quelques remarques sur la morphologie des Acridiens. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 8–9. [Orth.]

129.—Baranov, N. Eine neue *Morellia*-Art aus Serbien. Encyc. ent. Sér. B. II. Dipt. **2** Paris 1925 pp. 59–60 3 figs. [Dipt.]

130.—Barber, G. W. Observations on the response of adults of the European corn borer to light in egg laying. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 419–431. [Lep.]

131.—Barber, G. W. A study of the cause of the decrease in the infestation of the European corn borer (*Pyrausta nubilalis*, Hübn.) in the New England area during 1923. Ecology, Brooklyn **6** 1925 pp. 39–47 5 tables, 2 figs. [Lep.]

132.—Barber, H. G. Hemiptera-Heteroptera from the Williams Galapagos Expedition. Zoologica, New York **5** 1925 pp. 241–254 4 figs. 2 maps.

133.—Barber, H. S. Two new species of Central American Melasidae (Coleoptera). Proc. Ent. Soc. Washington **27** 1925 pp. 62–64.

134.—Barbey, A. Traité d'entomologie forestière. Paris Berger-Levrault 1925 749 pp. 8 pls. 496 figs.

135.—Bare, C. O. A new species of *Buenoa* (Hemiptera, Notonectidae). Ent. News, Philadelphia **36** 1925 pp. 225–228 1 pl.

136.—Barnes, H. F. A short note on the viviparity of *Chrysocloa gloriosa* F. (Coleoptera, Chrysomelidae). Ent. Mo. Mag., London **61** 1925 pp. 243–245.

137.—Barnes, H. F. Preliminary list of the gall-midges (Cecidomyiidae) of Kent. Ent. Mo. Mag., London **61** 1925 pp. 245–246. [Dipt.]

138.—Barnes, H. F. Some notes on the life-history of the northern eggar (*Lasiocampa callunae*). Vasculum, Newcastle-upon-Tyne **11** 1925 pp. 80–83. [Lep.]

139.—Barnes, W. & Benjamin, F. H. On the types of *Pyrausta caffreii* Flint & Malloch (Lepidoptera: Pyralidae: Pyraustinae). Proc. Ent. Soc. Washington **27** 1925 p. 7.

140.—Barnes, W. & Benjamin, F. H. Notes and new species (Lepidoptera). Proc. Ent. Soc. Washington **27** 1925 pp. 123–129.

141.—Barnes, W. & Benjamin, F. H. Notes on the genus *Obrima* Walker in the U. S. (Lepidoptera: Phalaenidae; Erebinae). Proc. Ent. Soc. Washington **27** 1925 p. 168.

142.—Barnes, W. & Benjamin, F. H. Notes on two Butterfly names omitted from recent lists. Ent. News, Philadelphia **36** 1925 pp. 118–119.

143.—Barnes, W. & Benjamin, F. H. On *Dysodia granulata* Neum. (Lepid., Thyridae). Ent. News, Philadelphia **36** 1925 p. 273.

144.—Barnes, W. & Benjamin, F. H. Two new Californian Limacodid Moths. Pan-Pacific Ent., S. Francisco **1** 1925 p. 126.

145.—Barnes, W. & Benjamin, F. H. Notes on some species of Lepidoptera in relation to the Stretch Collection. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 127–138, 164–169.

146.—Barnes, W. & Benjamin, F. H. New and rare Lepidoptera from the southwest. Pan-Pacific Ent., S. Francisco **2** 1925 pp. 12–15.

147.—Barnes, W. & Benjamin, F. H. Notes on Arizona Phalaenidae (Lepid.). Pan-Pacific Ent., S. Francisco **2** 1925 pp. 16–21.

148.—Barnes, W. & Benjamin, F. H. Notes on *Lophoceramica artega* Barnes (Lepid., Phalaenidae). Pan-Pacific Ent., S. Francisco **2** 1925 p. 63.

149.—Barnes, W. & **Benjamin,** F. H. A new Pyralid from California, with notes on *Decaturia pectinalis* B. & McD. (Lepid., Pyralidae, Macrothecinae). Pan-Pacific Ent., S. Francisco **2** 1925 p. 64.

150.—Barnes, W. & **Benjamin,** F. H. The *hyperboreus* group of *Hepialus* (Lepid., Hepialidae). Pan-Pacific Ent., S. Francisco **2** 1925 pp. 81–84.

151.—Barnes, W. & **Benjamin,** F. H. On the distribution of *Feralia deceptiva* McD. (Lepid., Phalaenidae). Bull. Brooklyn Ent. Soc. **20** 1925 p. 90.

152.—Barnes, W. & **Benjamin,** F. H. On the synonymy of *Cerapoda oblita* with notes on the type of *Agrotis insertans* (Lepid., Phalaenidae.). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 95–96.

153.—Barovsky, V. V. Mutillidae of the Petrograd province. [In Russian.] Faunae Petropolitanae Catalogus, Petrograd **2** no. 9 1921 6 pp. [Hym.]

154.—Barovsky, V. V. Contributions à la connaissance de la faune des insectes de la Région Lacustre, I. [In Russian with French summary.] Rev. russe Ent., Leningrad **19** 1925 pp. 63–68. [Col.]

155.—Barreto, B. T. Notas entomologicas. El Cusano del Cartucho. Mem. Soc. Cubana Hist. nat., Havana **6** 1924 pp. 108–110 1 pl.

156.—Barrett, C. Australian ants at home. Austr. Mus. Mag., Sydney **2** 1925 pp. 251–253 3 figs. [Hym.]

157.—Barsali, E. Spigolature cecidologiche. Marcellia, Avellino **14** (1915) 1916 pp. 132–135 1 fig.

158.—Bartenev, A. N. Quelques observations sur les Odonates pendant l'hiver de 1921 à Sotshi (province de Kubanj et de la Mer Noire). [In French and Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 223–228.

159.—Barthe, E. Procédés de chasse, d'élevage, de préparation et de conservation. Misc. ent., Castanet-Tolosan **28** 1925 pp. 81–87.

160.—Barthe, J. Tableaux de détermination des Carabides de la faune franco-rhénane [cont'd.]. Misc. ent., Castanet-Tolosan **26** & **27** 1924 sep. pag. 497–536. [Col.]

Bastin, F. *see* Goetghebuer & Bastin.

161.—Bathellier, J. Sur l'époque de la détermination des castes chez *Macrotermes gilvus* (Hagen). C.R. Acad. Sci., Paris **181** 1925 pp. 54–55. [Isop.]

162.—Bathellier, J. Sur l'époque de la détermination des castes chez *Eutermes matangensis* (Haviland). C.R. Acad. Sci., Paris **181** 1925 pp. 153–154. [Isop.]

163.—Bau, A. Das Sammeln und die Behandlung Sesienraupen. Ent. Jahrb., Leipzig **1** 1892 pp. 116–119. [Lep.]

164.—Baudys, E. Contribution à la connaissance distributive des galles européennes et extraeuropéennes. Marcellia, Avellino **20** (1921–1923) 1924 pp. 104–121 11 figs.

165.—Bauer, E. Beitrag zur Microlepidopteren-Fauna von Naumburg a. S. Mitt. ent. Ges. Halle a. S., Berlin **11** 1917 pp. 3–71 1 fig.

166.—Beamer, R. H. Notes on the oviposition of some Kansas Cicadas. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 479–482. [Hom.]

Beamer, R. H. *see* Hungerford & Beamer.

167.—Beaulne, J. I. Les Coléoptères du Canada. [Continued.] Nat. canad., Quebec **52** 1925 pp. 92–96, 113–119, 141–144.

168.—Becker, R. Die Wirkung von Alkaloiden auf Feldheuschrecken (Acrididen). Arch. exper. Path., Leipzig **100** 1923 pp. 335–348 5 figs. [Orth.]

169.—Becker, T. H. Sauter's Formosa-Ausbeute: Asilinae III (Dipt.). Ent. Mitt., Berlin **14** 1925 pp. 62–85, 123–139, 240–250, 9 figs.

170.—Beebe, W. Studies of a tropical jungle. One quarter of a square mile of jungle at Kartabo, British Guiana. Zoologica, New York **6** 1925 pp. 1–193 2 pls. 17 figs. [Insecta, pp. 65–107.]

171.—Beeson, C. F. C. Notes on the biology of the Brenthidae. Indian Forest Rec., Calcutta **11** 1925 pp. 171–188 1 pl. [Col.]

172.—Behning, A. L. Zur Erforschung der am Flussboden der Wolga lebenden Organismen. Monographien biol. Wolga-Sta., Saratov no. **1** 1924 398 pp. 16 pls. 7 maps 54 figs.

173.—Bei-Bienko, G. Ya. Contributiones ad cognitionem Orthopterorum Altaji et confinium. Trans. Siberian Agric. Acad., Omsk, **5** 1925 pp. 37–56.

174.—Beklemishev, W. The ecology of the larva of *Anopheles maculipennis* and the local distribution of this species on the west side of the Ural mountains. [In Russian with a summary in English.] Bull. Inst. Rech. biol. Univ. Perm **3** 1925 pp. 337–373. [Dipt.]

175.—Bell, T. R. The common butterflies of the Plains of India. (Including those met with in the Hill Stations of the Bombay Presidency.) J. Bombay Nat. Hist. Soc. **30** 1925 pp. 285–305, 561–586 2 figs. [Lep.]

176.—Belling, H. Etwas von *Pararge achine* Sc. (*dejanira* L.) und der Zucht dieses Falters (Lep. Rhopal.). D. ent. Zs., Berlin **1925** pp. 243–246.

177.—Belling, —. Zweijährige Puppenruhe bei *Papilio machaon* L. D. ent. Zs., Berlin **1925** pp. 337–339. [Lep.]

178.—[Belsky, B. I.] Бѣльскій, В. И. The Biology of *Opomyza florum* F., a Pest of Winter Crops. [In Russian.] J. App. Ent., Kiev **1** 1917 pp. 47–76 22 figs. [Dipt.]

179.—Bénard, G. Insectes Coléoptères Fam. Carabidae subf. Anthinae. Voy. Babault Afrique or. angl., Paris 1923 pp. 3–34 1 pl. 20 figs.

180.—Bénard, G. Description d'une nouvelle espèce du genre *Rhyssemus* [Col. Scarabaeidae, Aphodiini]. Bull. Mus. Hist. nat. Paris **1924** pp. 370–371 2 figs.

181.—Bénard, G. Description d'une nouvelle espèce de *Polyhirma* de l'Afrique orientale [Col. Carabidae]. Bull. Mus. Hist. nat. Paris **1925** pp. 70–71 1 fig.

182.—Benderitter, E. Rutélides nouveaux de Colombie (Col.). Bull. Soc. ent. France, Paris **1925** pp. 246–249.

183.—Benderitter, E. Note sur les Rutélides africains (13e note). Rev. zool. afr., Brussels **13** 1925 pp. 46–51 6 figs. [Col.]

184.—Bengtsson, S. La nutrition des larves des Ephémères. Ann. Biol. lacustre, Brussels **13** (1924) 1925 pp. 215–217. [Ephem.]

185.—Benick, L. Über einige brasilianische Aulacotrachelinen und Steninen (Col., Staph.). Öfv. finska Vet. Soc. Förh., Helsingfors **62** 1920 6 pp.

186.—Benick, L. Ueber nordpalaearktische Steninen, vorwiegend aus dem Zoologischen Museum in Helsingfors (Col., Staphyl.). Medd. Soc. Faun. Fl. fenn., Helsingfors **46** 1921 pp. 135–156 4 figs.

187.—Benick, L. Beiträge zur Kenntnis der Tierwelt norddeutscher Quellgebiete. III. Die Entwicklung der *Elodes minuta* L. Ent. Bl., Berlin **21** 1925 pp. 164–172. [Col.]

188.—Benick, L. Bemerkungen zum Catalogus Coleopterorum regionis palaearcticae, Unterfamilie Steninae. Koleopt. Rundsch., Vienna **11** 1925 pp. 71–76.

189.—Benick, L. Fauna Buruana. Der erste *Stenus* (Latr.) von den Molukken (Col. Staph.). Treubia, Buitenzorg **7** 1925 pp. 11–13 1 fig.

190.—Benick, L. Ueber die Steninen der Münchener Staatssammlung. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 72–85 6 figs. [Col.]

Benjamin, F. H. *see* Barnes & Benjamin.

191.—Bentinck, G. A. Lijst der apocriefe Nederlandsche Macrolepidoptera. Ent. Ber., The Hague **7** 1925 pp. 1–14.

192.—Bentivoglio, T. Libellulidi della Romagna. Atti Soc. nat. mat. Modena (6) **3** (1924) 1925 pp. 97–102. [Odon.]

193.—Bequaert, J. The genus *Ancistrocerus* (Hymenoptera, Vespidae) in North America, with a partial key to the species. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 57–117.

194.—Bequaert, J. New Nemestrinidae (Diptera) from Rhodesia and New Guinea. Psyche, Boston **32** 1925 pp.4–22 2 figs.

195.—Bequaert, J. Notes on Hippoboscidae. Psyche, Boston **32** 1925 pp. 265–277. [Dipt.]

196.—Bequaert, J. *Eumenes dyscherus* H. de Saussure, a neotropical, not an African wasp, and other notes on synonymy. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 134–140. [Hym.]

197.—Bequaert, J. The Arthropod enemies of Mollusks, with description of a new Dipterous parasite from Brazil. J. Parasit., Urbana **11** 1925 pp. 201–212 1 fig.

198.—Bequaert, J. Notes détachées sur la biologie des fourmis congolaises. Rev. zool. afr., Brussels **13** 1925 pp. 133–149. [Hym.]

199.—Bequaert, J. & Plath, O. E. Description of a new *Psithyrus* with an account of *Psithyrus laboriosus* and notes on Bumble-bees. Bull. Mus. Comp. Zoöl., Cambridge, Mass. **67** 1925 pp. 265–288 2 figs.

200.—Bergevin, E. de. Descrizione d'una nuova specie di *Chlorita* (Emitteri-Omotteri) della Tribu dei Typhlocybini. Agric. coloniale, Florence **16** 1922 pp. 63–64 4 figs.

201.—Bergevin, E. de. Description d'une nouvelle espèce d'*Aphelochirus* (Hémiptère Naucoridae) du Maroc. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 80–84 1 fig.

202.—Bergevin, E. de. Description d'une nouvelle espèce de *Bursinia* (Hémipt. Homopt. Dictyopharinae) des régions basses de la province de Constantine. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 19–21 1 pl. 2 figs.

203.—Bergevin, E. de. Description d'une nouvelle espèce d'*Hysteropterum* monacanthé (Hémiptère-Homoptère Issidae) du Maroc occidental. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 159–162 1 pl.

204.—Bergroth, E. A new Membracid from the Philippines (Hem. Hom.). Not. ent., Helsingfors **5** 1925 pp. 105–107.

205.—Bergroth, E. Notes on some Coreidae (Hem. Het.). Konowia, Vienna **4** 1925 pp. 82–88.

206.—Bergroth, E. On the "annectant bugs" of Messrs. McAtee and Malloch. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 159–164. [Hem.]

207.—Berland, L. Notes sur les Hyménoptères fouisseurs de France. Ann. Soc. ent. France, Paris **93** 1924 p. 378; **94** 1925 pp. 39–53, 44–45 2 figs.; also Bull. Soc. ent. France, Paris **1925** pp. 44–45, 93–95.

208.—Berland, L. Observations biologiques sur les Orthoptères. Bull. Soc. ent. France, Paris **1924** pp. 70–72.

209.—Berland, L. Faune de France 10. Hyménoptères vespiformes, I. Paris, Lechevalier 1925 viii + 364 pp. 663 figs.

210.—Berlese, A. Gli Insetti, Milan, 2 fasc. 20–61 1919–1925 pp. 537–992 & i–ix.

211.—Bernhauer, M. Neue Aleocharini aus Südamerika. 25. Beitrag zur Staphylinidenfauna Südamerikas. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 141–170. [Col.]

212.—Bernhauer, M. Zur Staphylinidenfauna Südamerikas, insbesondere Argentiniens. (28. Beitrag.) Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 170–183. [Col.]

213.—Bernhauer, M. 30. Beitrag zur Staphylinidenfauna Südamerikas. Wiener ent. Ztg., Vienna **42** 1925 pp. 33–38. [Col.]

214.—Bertholf, L. M. The moults of the honeybee. J. Econ. Ent., Geneva, N.Y. **18** 1925 pp. 380–384. [Hym.]

215.—Bertin, L. Faits nouveaux ou peu connus concernant les fourmis. La Nature, Paris **1925** no. 2650 pp. 43–48 10 figs. [Hym.]

216.—Bertrand, H. Liste des larves de Dytiscides, Hygrobiides et Haliplides actuellement connues: observations sur diverses espèces françaises. Encyc. ent. Sér. B. I. Coleop. **1**, Paris 1925 pp. 1–23. [Col.]

217.—Bertrand, H. Captures et élevages de larves de Coléoptères aquatiques. Ann. Soc. ent. France, Paris **94** 1925 pp. 441–446.

218.—Best, M. Tagfalter, Spinner und Schwärmer aus dem Schleiszheimer-Dachauer Moos. Mitt. münchn. ent. Ges., Munich **9** 1919 pp. 69–72; Spannerartige Nachtfalter . . . Moos, **20** 1920 pp. 27–30. [Lep.]

219.—Best, M. Anregungen zu weiteren Feststellungen der Lokalfauna in allen Bezirken. Mitt. münchn. ent. Ges., Munich **10** 1920 pp. 17–20.

220.—Bethune-Baker, G. T. A revision of the Liphyrinae, together with a description of the structure of the puparium of *Liphyra brassolis* and of the pupae of *Aslauga vininga* und *A. lamborni* (Lepidoptera). Trans. Ent. Soc. London **1924** 1925 pp. 199–382 25 pls. 5 figs.

221.—Bethune-Baker, G. T. On the scent-sacs in the genus *Rhodogastria.* Trans. Ent. Soc. London **1925** pp. 321–328 6 pls. [Lep.]

222.—Beuret, H. Remarques sur la classification de quelques formes du groupe "*argus.*" Rev. mens. Soc. ent. Namur **25** 1925 pp. 34–36, 42–48, 55–56. [Lep.]

223.—Bezzi, M. Gli inconvenienti della specializzazione: a proposito di una recente opera sulle galle. Natura, Milan **15** 1924 pp. 182–194.

224.—Bezzi, M. Una nuova *Tipula* delle Alpi con ali ridotte anche nel maschio (Dipt.). Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1924 pp. 228–233.

225.—Bezzi, M. Monografia del genere *Platynochaetus* Wied. (Dipt.; Syrph.). Mem. Soc. ent. ital., Genoa **3** (1924) 1925 pp. 215–227 2 figs.

226.—Bezzi, M. Missione del Dr. E. Festa in Cirenaica. XI. Ditteri di Cirenaica. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 18 26 pp. [Dipt.]

227.—Bezzi, M. Some Tachinidae (Dipt.) of economic importance from the Federated Malay States. Bull. Ent. Res., London **16** 1925 pp. 113–123.

228.—Bezzi, M. Une nouvelle espèce du genre *Pseudomphrale* de l'Afrique du Sud. Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 pp. 95–98 1 fig. [Dipt.]

229.—Bezzi, M. Das noch nicht beschriebene Männchen der *Plesiocera flavifrons* Beck. (Dipt.). Konowia, Vienna **4** 1925 pp. 297–300.

230.—Bezzi, M. Quelques notes sur les Bombyliides (Dipt.) d'Egypte, avec description d'espèces nouvelles. Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 159–242.

231.—Bezzi, M. On the Tachinid genus *Euthera* (Diptera), with description of new species from Australia, Africa and South America. Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 275–283 3 figs.

232.—Bhatia, B. L. Laws of heredity and their application to man. Proc. Lahore Phil. Soc. **3** 1924 pp. 28–37. [Dipt.]

233.—Biener, A. Die Kriegsgefangschaft vom Standpunkt des Entomologen. Ent. Zs., Frankfort on M. 1924 **37** pp. 44–46; **38** 3–4, 24–24a.

234.—Bierens de Haan, J. A. Reflex und Instinkt bei dem Ameisenlöwen. Biol. Zentralbl., Leipzig **44** 1925 pp. 657–667. [Neur.]

235.—Bieżanko, C. M. Neue Aberrationen bei Lepidopteren. Bull. intern. Acad. polon. Sci. Cracow B **1924** pp. 521–523 2 pls. [Already recorded in 1924 from Arch. Natg., Berlin Abt. A **90** 1924 Heft 5 pp. 241–242 2 pls.]

236.—Bieżanko, C. M. Motyle Ojcowa. Les Lépidoptères de Ojców voevodie (département) Kielce. Kosmos, Lemberg **48** 1923 pp. 141–163.

237.—Bilsing, S. W. Life-history of pecan nut case-bearer *Acrobasis caryivorella* Zell. J. Econ. Ent., Geneva, N.Y. **18** 1925 pp. 202–206. [Lep.]

238.—Bird, H. Some little-known Noctuid larvae of the genera *Chabuata, Gortyna* and *Archanara* (Lepidoptera). J. New York Ent. Soc. **33** 1925 pp. 182–187.

239.—Bird, H. Soil acidity in relation to insects and plants. Ecology, Brooklyn, **2** 1921 pp. 193–197. [General.]

240.—Bird, H. New life-histories in *Papaipema* No. 23 (Lepidoptera). Canad. Ent., Orillia **57** 1925 pp. 303–306.

241.—Birula, A. Ueber die russischen Wespen und ihre geographische Verbreitung (Erster Beitrag). Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 12 pp. 88–102. [Hym.]

242.—Bischoff, H. Monographie der Mutilliden Afrikas. Arch. Natg., Berlin **86** 1920 Abt. A Heft 1–5 pp. 1–830 7 pls. 1 map. [Hym.]

243.—Bischoff, H. Hymenoptera (Aculeata, Ichneumonidae, Chalastogastra). Abh. math.-naturw. Abt. bayer. Akad. Wiss., Suppl.-Bd. **[5]** (Beitr. Natur- u. Kulturgesch. Lithauens), Munich 1925 pp. 278–337.

244.—Bischoff, W. Ueber die Kopfbildung der Dipterenlarven. III. Teil. Die Köpfe der Orthorrapha-Brachycera-Larven. Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 8 pp. 1–105 24 figs.

245.—Bischoff, W. Die Metamorphose der *Liponeura decipiens* var. (?) *minor* n. var. (?) (Blepharoceridae [Dipt.]). Zool. Jahrb., Jena Abt. f. Syst. **51** 1925 pp. 329–374 1 pl. 10 figs.

246.—Bishop, G. H. Body fluid of the honey bee larva. J. Biol. Chem., New York **58** 1923 pp. 543–565 5 figs. [Hym.]

247.—Bishop, G. H. Autolysis and insect metamorphosis. J. Biol. Chem., New York **58** 1923 pp. 567–582 2 figs. [Hym.]

248.—Blackburn, K. B. The chromosome basis of sex-determination. Proc. Univ. Durham Phil. Soc., Newcastle-on-Tyne **7** 1924 pp. 54–57. [Hem.]

249.—Blackmore, E. H. Further notes on the species of the genus *Hydriomena* occurring on Vancouver Island, B.C. Proc. Br. Columbia Ent. Soc., Victoria no. **6** 1915 pp. 114–115. [Lep.]

250.—Blackmore, E. H. Notes on the changes in Geometrid nomenclature, with records of species new to the list of Geometridae found in British Columbia. Proc. Br. Columbia Ent. Soc., Victoria no. **6** 1915 pp. 116–122. [Lep.]

251.—Blackmore, E. H. On the species of the genus *Pero* occurring in British Columbia. Proc. Br. Columbia Ent. Soc., Victoria no. **8** (1916) 1918 pp. 7–9. [Lep.]

252.—Blackmore, E. H. Notes on Geometridae new to British Columbia. Proc. Br. Columbia Ent. Soc., Victoria no. **10** (1917) 1918 pp. 16–20 2 pls. [Lep.]

253.—Blackmore, E. H. A revision of the British Columbia species of the Geometrid genus *Hydriomena* Hüb. Proc. Br. Columbia Ent. Soc., Victoria no. **12** (1918) 1919 pp. 19–26 1 pl. [Lep.]

254.—Blackmore, E. H. The Lycaeninae of British Columbia. Proc. Br. Columbia Ent. Soc., Victoria no. **14** (1919) 1920 pp. 5–10 1 pl. [Lep.]

255.—Blackmore, E. H. The genus *Argynnis* in British Columbia. Proc. Br. Columbia Ent. Soc., Victoria no. **16** (1920) 1921 pp. 27–31. [Lep.]

256.—Blackmore, E. H. The Sphingidae of British Columbia. Proc. Br. Columbia Ent. Soc., Victoria no. **18** 1921 pp. 25–30. [Lep.]

257.—Blackmore, E. H. A new Noctuid from British Columbia (Lepid.). Canad. Ent., Orillia **57** 1925 p. 205.

258.—Blair, K. G. The Lepidoptera of the Scilly Isles. Entomologist, London **58** 1925 pp. 3–10.

259.—Blair, K. G. On some new African Pythidae (Coleoptera). Ent. Mo. Mag., London **61** 1925 pp. 151–154.

260.—Blair, K. G. Further notes on the Pythidae (Coleoptera). Ent. Mo. Mag., London **61** 1925 pp. 209–219.

261.—Blair, K. G. A list of the Heteromerous Coleoptera collected mainly during the war, by various members of H.M. Forces in Mesopotamia. J. Bombay Nat. Hist. Soc., **30** 1925 pp. 428–440.

262.—Blaisdell, Sr., F. E. Expedition to Guadalupe Island, Mexico, in 1922. The Coleoptera. Proc. Calif. Acad. Sci., S. Francisco (4) **14** 1925 pp. 321–343.

263.—Blaisdell, Sr., F. E. Studies in the Tenebrionidae, No. 2. Proc. Calif. Acad. Sci., S. Francisco (4) **14** 1925 pp. 369–390. [Col.]

264.—Blaisdell, Sr., F. E. A new species of *Dasytes* from California (Melyridae: Coleoptera). Pan-Pacific Ent., S. Francisco **1** 1925 pp. 184–185.

265.—Blaisdell, Sr., F. E. Revised check-list of the species of *Eleodes* inhabiting America north of Mexico, including Lower California and adjacent islands. Pan-Pacific Ent., S. Francisco **2** 1925 pp. 77–80. [Col.]

266.—Blaisdell, F. E. Coleoptera of the Pacific Coast, notes and criticisms. Ent. News, Philadelphia **36** 1925 pp. 79–85.

267.—Blake, E. G. Enemies of timber: dry rot and the death-watch beetle. London, Chapman & Hall 1925 xv + 206 pp. 22 figs. [Col.]

268.—Blanc, H. Apparition de deux mâles dans deux générations de *Carausius hilaris*. L'hermaphroditisme d'une femelle parthénogénétique. Bull. Soc. vaud. Sci. nat., Lausanne **55** 1924 pp. 267–268. [Orth.]

269.—Bland-Sutton, J. On faith in ligatures. Brit. Med. J., London **1925** pp. 823–824 1 fig. [Hym.]

270.—Blatchley, W. S. The Chrysomelidae of Florida. [Concluded.] Florida Ent., Gainesville **8** 1924 pp. 39–46.

271.—Blatchley, W. S. Notes on the Rhynchophora of Eastern North America with descriptions of new species, III. J. New York Ent. Soc. **33** 1925 pp. 87–133. [Col.]

272.—Blatchley, W. S. Some additional new species of Heteroptera from the southern United States, with characterisation of a new genus. Ent. News, Philadelphia **36** 1925 pp. 45–52.

273.—Blatchley, W. S. Two changes of names (Heteroptera, Coleoptera). Ent. News, Philadelphia **36** 1925 p. 245.

274.—Blatchley, W. S. Notes on the distribution and habits of some Florida Coleoptera with descriptions of new species. Canad. Ent., Orillia **57** 1925 pp. 160–168.

275.—Blood, B. N. Notes on Trichogrammatinae taken around Bristol. Ann. Rept. Proc. Bristol Nat. Soc. (4) **5** 1923 pp. 253–258. [Hym.]

276.—Blunck, H. Beiträge zur Kenntnis vom Massenwechsel (Gradation) schädlicher Insekten. 2. Der Rapsglanzkäfer (*Meligethes aeneus* F.) im Jahre 1920. 3. Die Schmarotzerwespen des Rapsglanzkäfern im Jahre 1920. 4. Erdflohkäfer an den Ölssaaten im Jahre 1920. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 421–433. [Col.]

277.—Blunck, H. Biologische Unterschiede schädlicher Drahtwurmarten. Nachrichtenbl. deutschen Pflanzenschutzdienst, Berlin **5** 1925 pp. 37–39 8 figs. [Col.]

278.—Blunck, H. & others. Syllabus der Insektenbiologie, Berlin (Gebrüder Borntraeger) 1925. Coleopteren: Lieferung **1.** Cicindelidae-Histeridae pp. 1–136.

279.—Blunck (H.) & **Janisch** (R.). Bericht über Versuche zur Bekämpfung der Rubenaaskäfer im Jahre 1923. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **13** 1925 pp. 433–496 10 figs. 3 pls. [Col.]

280.—Blunck, H. & **Speyer, W.** Die Fühler des *Hydrous piceus* L. als sekundäre Respirationsorgane. Zool. Anz., Leipzig **63** 1925 pp. 241–249. [Col.]

Blunck, H. *see* Börner & Blunck.

281.—Blüthgen, P. Ein Beitrag zur Bienenfauna Nordwestthüringens. Mitt. ent. Ges. Halle a. S., Berlin **10** 1916 pp. 10–40; **11** 1917 pp. 72–73. [Hym.]

282.—Blüthgen, P. Beiträge zur Systematik der Bienengattung *Sphecodes* Latr. II. D. ent. Zs., Berlin **1924** pp. 457–516. [Hym.]

283.—Blüthgen, P. Beiträge zur Kenntnis der Bienengattung *Halictus* Latr. II. Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 10 pp. 86–163. [Hym.]

284.—Blüthgen, P. Beiträge zur Kenntnis der Hymenopterenfauna des Saaletals. Stettin. ent. Ztg. **85** (1924) 1925 pp. 137–172.

285.—Blüthgen, P. Die Bienengattung *Nomioides* Schenck. Stettin. ent. Ztg. **86** 1925 pp. 1–100. [Hym.]

286.—Bodenheimer, F. S. Ueber die Ausnutzung des durch Pflanzenneueinführungen entstandenen freien Nahrungsraums durch einheimische Insekten. Biol. Zentralbl., Leipzig **44** 1925 pp. 671–675.

287.—Bodenheimer, F. Beiträge zur Kenntnis von *Tipula oleracea* L. Zur Kenntnis der Larve. Zool. Jahrb., Jena Abt. f. Syst. **48** 1924 pp. 129–154 13 figs. [Dipt.]

288.—Bodine, J. H. Physiology of the Orthoptera. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 79–82.

289.—Bodine, J. H. Effect of temperature on rate of embryonic development of certain Orthoptera. J. Exp. Zool., Philadelphia **42** 1925 pp. 91–109 7 figs.

290.—Bodine, J. H. & **Orr, P. R.** Physiological studies on respiratory metabolism. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 1–14 5 figs. 5 tables. [Dipt.]

291.—Bokor, E. Notizen über einzelne Trechinae (Col. Carab.). Ent. Mitt., Berlin **14** 1925 pp. 362–368.

292.—**Boldt,** R. Etwas über deutsche Hadenen und ihr Raupenleben. Ent. Zs., Frankfort on M. **39** 1925 pp. 93–95, 98–100. [Lep.]

293.—**Boldt,** R. Beobachtungen im Heuboden und Kaninchenstall. Ent. Zs., Frankfort on M. **39** 1925 pp. 129–130, 133–134, 138.

294.—**Boldyrev,** B. T. Quelques remarques sur le *Niptus hololeucus* Fald. (Coleoptera, Ptinidae). [In Russian with English summary.] Trans. 3rd All-Russian Entomo-Phytopath. Meeting Petrograd 18–25 December, 1921, Petrograd 1922 pp. 44–56.

295.—**Bolívar,** I. Orthoptera palaearctica critica. I. Contribution à la connaissance des Sciobiae (Gryll.). Eos, Madrid **1** 1925 pp. 375–440 19 figs. [Orth.]

296.—**Bolívar y Pieltain,** C. Sur quelques Eupelmidae de l'Egypte (Hyménopt. Chalcidiens). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 39–45 1 fig.

297.—**Bolívar y Pieltain,** C. Eumastácidos de Nueva Guinea (Orth. Acrid.) recogidos por la "Deutsche Kaiserin-Augusta Fluss Expedition 1912–1913." Eos, Madrid **1** 1925 pp. 93–131 24 figs.

298.—**Bolton,** H. Insects from the coal measures of Commentry. Brit. Museum (Nat. Hist.), London, Fossil Insects no. **2** 1925 56 pp. 19 figs. 3 pls.

299.—**Bondar,** G. O Cacao. Parte II. Molestias e inimigos do cacaoeiro no estado da Bahia-Brasil, Bahia 1925 126 pp. 74 figs. [Col., Hem.]

300.—**Bonnamour,** S. Faune des Coléoptères de la région lyonnaise, 1. Famille des Cicindelides. Ann. Soc. linn. Lyon **71** (1924) 1925 pp. 107–119.

Bonnamour, S. *see* Gautier & Bonnamour.

301.—**Bonne,** C. & **Bonne-Wepster,** J. Mosquitoes of Surinam. A study of neotropical mosquitoes. Kolon. Inst. Amsterdam Meded. **21,** Afd. Trop. Hyg. no. **13,** 1925 558 pp. 84 figs. [Dipt.]

302.—**Bonne-Wepster,** J. & **Bonne,** C. Note on the predacious habits of the larvae of *Sabethoides bipartipes* Dyar & Knab (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 p. 32.

303.—**Borchmann,** F. Neue Lagriiden von Neu-Guinea. (Nebst einer neuen Art aus Australien.) Nova Guinea, Leyden **15** 1924 pp. 61–64. [Col.]

304.—**Borel,** E. Contribution à l'étude des moustiques de l'Indochine. Arch. Inst. Pasteur Indochine, Saigon **1925** pp. 222–234 3 pls. [Dipt.]

305.—**Borgmeier,** T. Um novo genero de Phorideos do Paraná (Dipt.). Bol. Mus. nac. Rio de Janeiro **1** 1924 pp. 283–288 2 figs.

306.—**Borgmeier,** T. Novos subsidios para o conhecimento da familia Phoridae (Dipt.). Arch. Mus. nac. Rio de Janeiro **25** 1925 pp. 85–281 17 pls. 64 figs.

307.—**Borgmeier,** T. Eine neue myrmecophile Phoridengattung aus Brasilien (Dipt.). Ent. Mitt., Berlin **14** 1925 pp. 237–239 1 fig.

308.—**Borgmeier,** T. Eine neue myrmecophile Phoride aus Brasilien. Soc. ent., Stuttgart **40** 1925 p. 45. [Dipt.]

309.—**Born,** P. Altération artificielle de la couleur chez les Carabes. Misc. ent., Castanet-Tolosan **29** 1925 p. 14. [Col.]

310.—**Born,** P. Neue *Carabus*-Formen aus Spanien. Soc. ent., Stuttgart **40** 1925 pp. 1–3, 25–26. [Col.]

311.—**Börner,** C. Insekten-Zeitschlüssel. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 395–404.

312.—**Börner,** C. Beiträge zur Kenntnis vom Massenwechsel (Gradation) schädlicher Insekten. Einleitung. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 405–418.

313.—**Börner,** C. & **Blunck,** H. Beiträge zur Kenntnis vom Massenwechsel (Gradation) schädlicher Insekten. 6. Zusammenfassung. Arb. biol. Reichsant. Land- u. Forstw., Berlin **10** 1921 pp. 450–464.

314.—**Börner,** C. & **Speyer,** W. Beiträge zur Kenntnis vom Massenwechsel (Gradation) schädlicher Insekten. Bemerkungen über Fangort und Fangweise im Jahre 1920. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 419–420.

315.—Bose, B. B. Life-history of *Danais limniace*, Cram. and its parasites. Rept. Proc. 5th Ent. Meeting Pusa, **1923** Calcutta 1924 pp. 280–288 1 pl. [Lep.]

316.—Boucomont, A. Lamellicornes Coprophages nouveaux des îles Philippines. Bull. Soc. ent. France, Paris **1925** pp. 151–154. [Col.]

317.—Boucomont, A. Une race peu connue d'*Onthophagus* de la Chine méridionale (Col.). Ent. Mitt., Berlin **14** 1925 pp. 178–179.

318.—Boucomont, A. Scarabéides recueillis par le Marquis S. Patrizi dans l'Afrique Orientale Tropicale. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1923 pp. 86–100. [Col.]

319.—Boucomont, A. Scarabaeidae (supplément). Faune ent. Indochine française, Saigon fasc. **6** 1923 pp. 115–119. [Col.]

320.—Boulangé, H. Recherches sur l'appareil copulateur des Hyménoptères et spécialement des Chalastogastres. Mém. Trav. Fac. cathol., Lille **28** 1924 pp. 1–444 3 pls. 141 figs.

321.—Bourgoin, A. Diagnoses préliminaires de Buprestides nouveaux de l'Indochine française. Bull. Soc. ent. France, Paris **1925** pp. 111–112, 130–131. [Col.]

322.—Bourguillaut, J. Quelques réflexions sur les Gyrinides ; dispersion, moeurs, hybridation. Trav. sci. Univ. Rennes **17** 1924 pp. 1–8 5 figs. [Col.]

323.—Bouvier, E. L. Sur les *Camponotus* ou fourmis ronge-bois du Haut-Jura. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 718–721.

324.—Bouvier, E. L. Sur les Saturniens hémileucides du groupe du *Dirphia tarquinia* Cram. (*Hyperdirphia* Packard, 1903). Ann. Soc. ent. France, Paris **93** 1924 pp. 381–389 1 fig. [Lep.]

325.—Bouvier, E. L. Nouvelles remarques sur les Saturniens du groupe des *Arsenura*. Ann. Soc. ent. France, Paris **94** 1925 pp. 67–72 2 pls. [Lep.]

326.—Bouvier, E. L. Sur quelques formes de *Dirphia* du groupe *semirosea*. Bull. Mus. Hist. nat. Paris **1925** pp. 307–309. [Lep.]

327.—Bouvier, E. L. Contributions à la connaissance des métamorphoses chez les Saturniens hémileucides. Encyc. ent. Sér. B. III. Lep. **1**, Paris 1925 pp. 3–10 4 figs. [Lep.]

328.—Bouvier, E. L. *Heliconisa bedoci* sp. n. (Saturnidae). Encyc. ent. Ser. B. III. Lep. **1**, Paris 1925 pp. 35–36 2 figs. [Lep.]

329.—Bouvier, E. L. & **Brèthes,** J. Sur les " Heliconisa " et leurs différences sexuelles. Rev. Univ. Buenos Aires 2a Ser. Sec. 5 **1** 1924 pp. 37–41 2 figs. [Lep.]

330.—Bouwman, B. E. Een nieuwe determineertabel. Levende Natuur, Amsterdam **29** 1925 pp. 137–143 33 figs. [Hym.]

331.—Bouwman, B. E. Onze Behangersbijen (*Megachile*). Levende Natuur, Amsterdam **29** 1925 pp. 172–178 11 figs. [Hym.]

332.—Bouwman, B. E. Naamlijst der Nederl. Graafwespen (I. Sphegidae.) Levende Natuur, Amsterdam **30** 1925 pp. 278–280. [Hym.]

333.—Böving, A. G. The larva of the weevil *Limnobaris rectirostris* Leconte. J. New York Ent. Soc. **32** 1924 pp. 198–205 1 pl. [Col.]

334.—Böving, A. G. A summer trip in Iceland south of Vatna-Jökul. Proc. Ent. Soc. Washington **27** 1925 pp. 17–35.

Böving, A. G. *see* Chamberlin, Tenhet & Böving.

335.—Bowater, W. A new hybrid *furcula-bicuspis*. Ent. Rec., London **37** 1925 p. 134 1 pl. [Lep.]

336.—Bowditch, F. C. Notes on Galerucinae in my collection. Psyche, Boston **32** 1925 pp. 244–264. [Col.]

337.—Bowen, R. H. On the acrosome of the animal sperm. Anat. Rec., Philadelphia **28** 1924 pp. 1–13.

338.—Bradley, G. H. The larva of *Aëdes thibaulti* Dyar & Knab (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 89–91.

339.—Brauer, A. Studies on the embryology of *Bruchus quadrimaculatus*, Fabr. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 283–303 7 pls. [Col.]

340.—Braun, A. F. Some undescribed Microlepidoptera and notes on life-histories. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 13–17.

341.—Braun, A. F. Microlepidoptera of northern Utah. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 183–226.

342.—Braun, A. F. New Canadian Microlepidoptera. Canad. Ent., Orillia **57** 1925 pp. 124–127.

343.—Braun, A. F. New Microlepidoptera from the south-west. Canad. Ent., Orillia **57** 1925 pp. 147–150.

344.—Brecher, L. & **Winkler,** F. Uebereinstimmung positiver und negativer Dopareaktionen an Gefrierschnitten mit jenen an Extrakten. (Zugleich: Ursachen tierischer Farbkleidung. xi). Arch. Mikr. Anat., Berlin **104** 1925 pp. 659–663. [Lep.]

Brecher, L. *see* Sato & Brecher.

Breindl, V. *see* Komarck & Breindl.

345.—Breitenbecher, J. K. The inheritance of sex-limited bilateral asymmetry in *Bruchus*. Genetics, Brooklyn **10** 1925 pp. 261–277. [Col.]

346.—Breitenbecher, J. K. An apterous mutation in *Bruchus*. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 166–170. [Col.]

347. Breitenbecher, J. K. The inheritance of a macula mutation concerned with elytral spotting and latent traits in the male of *Bruchus*. Biol. Bull., Wood's Hole, Mass. **49** 1925 pp. 265–274. [Col.]

348.—Brèthes, J. Description d'un nouveau *Prionomitus* du Chili. An. Zool. aplic., Santiago **1** 1914 pp. 29–30 1 fig. [Hym.]

349.—Brèthes, J. Description d'un nouveau genre et d'une nouvelle espèce d'Ortalidae du Chili. An. Zool. aplic., Santiago **3** 1916 pp. 12–13 1 fig. [Dipt.]

350.—Brèthes, J. Description de deux Hyménoptères chiliens. An. Zool. aplic., Santiago **3** 1916 pp. 24–27 2 figs.

351.—Brèthes, J. Quelques insectes du Paraguay. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 67–72. [Col., Hym.]

352.—Brèthes, J. Sur quelques Diptères chiliens. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 104–111.

353.—Brèthes, J. Sur quelques insectes de San José de Maipo. Rev. chil. Hist. nat., Santiago **29** 1925 pp. 34–35. [Hym., Dipt.]

354.—Brèthes, J. Coléoptères et Diptères chiliens. Rev. chil. Hist. nat., Santiago **29** 1925 pp. 198–208 5 figs.

355.—Brèthes, J. Coccinellides du British Museum (avec une nouvelle famille de Coléoptères). An. Mus. nac. Hist. nat., Buenos Aires **33** 1925 pp. 195–214 7 figs.

356.—Brèthes, J. Un Coléoptère et un Diptère nouveaux de la Géorgie du Sud. Comun. Mus. nac. Hist. nat., Buenos Aires **2** 1925 pp. 169–173 2 figs.

357.—Brèthes, J. Nuestros benefactores anónimos de las plantas. Un nuevo insecto útil: *Sigalphus primus* Brèthes. Rev. Facultad de Agronomía, Buenos Aires **16** 1925 pp. 57–63 1 fig. [Hym.]

358.—Brèthes, J. Coléoptères, principalement Coccinellides du British Museum. Nunquam Otiosus iii, Buenos Aires 1925 pp. 1–16 2 figs.

359.—Brèthes, J. Coccinellides du British Muséum. Nunquam Otiosus iv, Buenos Aires 1925 pp. 1–10. [Col.]

360.—Brèthes, J. Nouveaux Coléoptères sudamericains. Nunquam Otiosus iv, Buenos Aires 1925 pp. 11–16.

Brèthes, J. *see* Bouvier & Brèthes.

361.—Bridges, C. B. Sex in relation to chromosomes and genes. Amer. Nat., New York **59** 1925 pp. 127–137. [Dipt.]

362.—Bridges, C. B. & **Morgan,** T. H. The third-chromosome group of mutant characters of *Drosophila melanogaster*. Carnegie Inst. Publ., Washington **327** 1923 pp. 1–251 3 pls. 210 tables 37 figs. [Dipt.]

Bridges, C. B. *see* Morgan, Bridges & Sturtevant.

363.—Brimley, C. S. New species of Diptera from North Carolina. Ent. News, Philadelphia **36** 1925 pp. 73–77.

364.—Brinkmann, A. Systematisches Verzeichnis der in Bremen und Umgegend beobachteten Kleinschmetterlinge. Abh. naturw. Ver. Bremen **25** 1924 pp. 249–273. [Lep.]

365.—Brisley, H. R. Notes on the Chrysomelidae (Coleoptera) of Arizona. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 167–182.

366.—Bristowe, W. S. The fauna of the Arctic Island of Jan Mayen and its probable origin. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 480–485.

367.—Bristowe, W. S. Solitary wasps and their prey, with special reference to the Mantid-hunters. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 278–284. [Hym.]

368.—Bristowe, W. S. Notes on the habits of Insects and Spiders in Brazil. Trans. Ent. Soc. London **1924** 1925 pp. 475–504 1 pl. 1 map.

369.—Bristowe, W. S. Sound production by insects. Nature, London **115** 1925 pp. 640–641.

370.—Brocher, F. L'appareil buccal des larves de *Psylla pyrisuga* Fstr. Etude anatomique et physiologique. Ann. Soc. ent. France, Paris **94** 1925 pp. 55–66 12 figs. [Hom.]

371.—Brocher, F. Observations biologiques sur la larve de la Cicadelle (*Ptyelus spumarius* L.). Ann. Biol. lacustre, Brussels **13** (1924) 1925 pp. 205–213, 4 figs. [Hom.]

372.—Bromley, S. W. The *Bremus*-resembling *Mallophorae* of the south-eastern United States (Diptera, Asilidae). Psyche, Boston, Mass. **32** 1925 pp. 190–194.

373.—Brookes, A. E. Coleoptera of the Chatham Islands. Rec. Canterbury Mus., Christchurch, N.Z. **2** 1925 pp. 285–294 2 pls.

374.—Brown, J. M. Hemiptera from North-East Yorkshire. Naturalist, London **1925** pp. 113–116.

375.—Brown, J. M. On the nymph of *Chlamydatus evanescens* Boh. Ent. Mo. Mag., London **61** 1925 pp. 58–60. [Hem.]

376.—Brown, J. M. On a new shore-dwelling Collembolan, with remarks on the British littoral species of Collembola. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 155–160 1 pl.

377.—Bruch, C. Un nuevo Ipido (= Escolítido) de Chile (*Phloeotribus porteri*, n. spec.). An. Zool. aplic., Santiago **1** 1914 pp. 25–27 1 pl. [Col.]

378.—Brues, C. T. Hymenoptera of Connecticut: Serphoidea, Proctotrypoidea. Conn. N. H. Surv., Hartford Bull. **22** 1916 pp. 529–576 1 fig.

379.—Brues, C. T. Hymenoptera of Connecticut: Bethylidae, Dryinidae. Conn. N. H. Surv., Hartford Bull. **22** 1916 pp. 608–616.

380.—Brues, C. T. Observations on animal life in the thermal waters of Yellowstone Park, with a consideration of the thermal environment. Proc. Amer. Acad. Arts Sci., Boston **59** 1924 pp. 371–437 1 pl. 5 figs.

381.—Brues, C. T. Some species of the genus *Leucospis*. Psyche, Boston **32** 1925 pp. 23–29. [Hym.]

382.—Brues, C. T. Some myrmecophilous Phoridae from the neotropical region. Psyche, Boston **32** 1925 pp. 303–312 3 figs. [Dipt.]

383.—Brues, C. T. A Japanese *Dohrniphora* bred from dead snails (Diptera: Phoridae). Psyche, Boston **32** 1925 p. 313.

384.—Brues, C. T. *Scyphodon*, an anomalous genus of the Hymenoptera of doubtful affinities. Treubia, Buitenzorg **6** 1925 pp. 93–96 1 fig.

385.—Brug, S. L. De geographische verbreiding der muskieten in Nederlandsch Oost-Indië. Geneesk. Tijdschr. Ned.-Indie, Batavia **65** 1925 pp. 1–8. [Dipt.]

386.—Brug, S. L. A new *Armigeres* (Diptera, Culicidae) from Ceram (Moluccas). Bull. Ent. Res., London **15** 1925 pp. 345–347 2 figs.

387.—Bruhn, S. Anschwemmen von Insekten am Meeresstrand. Intern. ent. Zs., Guben **19** 1925 pp. 22–24.

388.—Brumpt, E. Ponte et résistance des oeufs de l' *Anopheles maculipennis*. Ann. Parasit. hum. & comp., Paris **3** 1925 pp. 396–402 3 figs. [Dipt.]

389.—Brun, R. Das Leben der Ameisen. Leipzig 1924 211 pp. 60 figs. [Not seen.]

390.—Brundin, J. A. Z. Fjärilar från Kronobergs län. III. Ent. Tidskr., Stockholm **46** 1925 pp. 35–42 3 figs. [Lep.]

Bruner, S. C. *see* Metcalf & Bruner.

391.—**Brunetti, E.** New African Conopidae. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 97–112; **16** 1925 pp. 101–112. [Dipt.]

392.—**Brunetti, E.** Some notes on Indian Syrphidae, Conopidae and Oestridae. Rec. Ind. Mus., Calcutta **27** 1925 pp. 75–79. [Dipt.]

393.—**Brunier, B. de.** Capture à Metz de quelques coléoptères rares ou non encore signalés en Lorraine. Bull. Soc. Hist. nat. Moselle, Metz **29** 1921 pp. 111–113; **30** 1924 pp. 111–115.

394.—**Bryant, G. E.** New species of Phytophaga from the Fiji Islands. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 590–600. [Col.]

395.—**Bryk, F.** Die Variabilität der Flügelzeichnung im Genus *Luehdorfia* Crüger. Zs. österr. Ent.-Ver., Vienna **6** 1921 pp. 31–34. [Lep.]

396.—**Bryk, F.** Eine neue *mnemosyne*-form aus Niederösterreich. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 1–2. [Lep.]

397.—**Bryk, F.** *Parnassius mnemosyne* L. in Galizien und Rumänien. Soc. ent., Stuttgart **40** 1925 pp. 29–30. [Lep.]

398.—**Bryk, F.** Ueber die Variabilität von *Acraea ansorgei* Sm. Ent. Rdsch., Stuttgart **42** 1925 pp. 27, 31–32. [Lep.]

399.—**Bubacek, O.** Aberrative Schmetterlingsformen. Zs. österr. Ent.-Ver., Vienna **9** 1924 p. 113 1 fig. [Lep.]

400.—**Buchka, E.** Alpen und Käfer. Ent. Zs., Frankfort on M. **38** 1924 pp. 29–30, 34–35, 38–39. [Col.]

401.—**Buchka, E.** Die deutschen Lamellicornia unter besonderer Berücksichtigung der Brutpflege der Mistkäfer. Ent. Zs., Frankfort on M. **39** 1925 pp. 37–38, 43–44, 47–48, 50–51, 55–56, 58–59. [Lep.]

402.—**Buchner, P.** Studien an intracellularen Symbionten. V. Die symbiontischen Einrichtungen der Zikaden. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 88–245, 9 pls., 33 figs.

Buckell, E. R. *see* Treherne & Buckell.

403.—**Bugnion, E.** Mantes et Empuses. Mém. Soc. vaud. Sci. nat., Lausanne **1** 1924 pp. 177–243, 37 figs. [Orth.]

404.—**Bugnion, E.** La voie buccopharyngée chez la scolie, l'abeille maçonne et la xylocope violette. Bull. Soc. zool. Paris **50** 1925 pp. 171–197, 12 figs.

405.—**Bugnion, E.** Notes relatives à la terminologie des organes buccaux des insectes. Bull. Soc. zool. Paris **50** 1925 pp. 352–358.

406.—**Bugnion, E.** La structure de la langue chez le frelon (*Vespa crabro*). Riviera scient., Nice **12** 1925 pp. 17–41, 9 figs. [Hym.]

407.—**Bugnion, E.** The origin of instinct. A study of the war between the ants and the termites. Psyche, London no. **22** 1925 pp. 6–41 8 pls.

408.—**du Buisson, —.** Observations sur le mécanisme de la ventilation trachéenne chez les insectes. Bull. Classe Sci. Acad. R. Belgique, Brussels (5) **10** (1924) 1925 pp. 635–656 6 figs.

409.—**Buresch, I.** Zwei in Europa selten vorkommende Arten der Schmetterlingsgattung *Euchloë*, nebst Beschreibung einer neuen Unterart-*Euchloë grüneri macedonica* m. Mitt. bulgar. ent. Ges., Sofia **2** 1925 pp. 61–64. [Lep.]

410.—**Buresch, I.** Sur la faune cavernicole de Bulgarie et description d'un nouveau *Pheggomisetes*. Bull. Soc. ent. France, Paris **1925** pp. 115–120 1 fig. [Col.]

411.—**Burgeff, H.** Beiträge zur Biologie der Gattung *Zygaena* F. (*Anthrocera* Scop.). IV. Über die Entwicklung der Zygaenenraupen. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 50–64, figs. [Lep.]

412.—**Burgeff, H.** Verbreitung und mutmaszliche Wanderungen der *Zygaena transalpina* in Bayern. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 101–104. [Lep.]

413.—**Burgeon, L.** Les Cétoines congolaises (Cetonidae). Rev. zool. afr., Brussels **13** 1925 pp. [29]–[33] 2 figs. [Col.]

414.—**Burkill, H. J.** Experimental work on oak-galls of the Cynipidae. Entomologist, London **58** 1925 pp. 219–220. [Hym.]

415.—Burkill, I. H. Insect vision in connection with flower fertilization. Singapore Naturalist no. **5** 1925 pp. 23–46, 3 figs.

Burnett, W. L. *see* Langford & Burnett.

Burns, G. P. *see* Adams, Burns, &c.

416.—Burr, M. Contribution à la faune entomologique de l'Indochine française. Dermaptères. Faune ent. Indochine française, Saigon fasc. **8** 1924 pp. 119–124.

417.—Burrows, C. R. Notes on the Psychides. Ent. Rec., London **37** 1925 pp. 17–19. [Lep.]

Burton, R. W. *see* Welch, Burton & Wiltshire.

418.—Busck, A. A new North American genus of Microlepidoptera (Glyphipterygidae). Proc. Ent. Soc. Washington **27** 1925 pp. 46–48 1 pl.

419.—Busck, A. On the genus *Setiostoma* Zeller (Lepidoptera: Stenomidae). Proc. Ent Soc. Washington **27** 1925 pp. 48–49 1 pl.

420.—Busck, A. & **de Oliveira Filho,** M. L. Da *Auximobasis coffeaella* Busck. Mariposa dos fructos de café abandonados. Sua determinaçao e biologia. Comm. Estudo e Debellacão da Praga Caféeira, S. Paulo Pub. no. **13** 1925 19 pp. 1 fig. 8 pls. [Lep.]

421.—Busse, R. Etwas über Aberrationen der Bandeulen. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 50–51. [Lep.]

422.—Butler, A. G. Account of the Zoological Collections made during the visit of H.M.S. "Petrel" to the Galapagos Islands. X. Lepidoptera, Orthoptera and Hemiptera. Proc. Zool. Soc. London **1877** pp. 86–91. [Hitherto unrecorded.]

423.—Butler, E. A. An invasion of *Halticus saltator* Geoffr. (Hemiptera). Ent. Mo. Mag., London **61** 1925 pp. 276–279.

424.—Butovitsch, V. v. Ueber die Sterblichkeit des grossen Waldgärtners (*Blastophagus piniperda* L.) und seiner Brut. Ent. Bl., Berlin **21** 1925 pp. 41–43. [Col.]

425.—Butovitsch, V. v. Die Winterverstecke des grossen Waldgärtners (*Blastophagus piniperda* L.). Intern. ent. Zs., Guben **19** 1925 pp. 33–35. [Col.]

426.—Buxton, P. A. & **Hopkins,** G. H. E. The early stages of Samoan mosquitos. Bull. Ent Res., London **15** 1925 pp. 295–301 8 figs. [Dipt.]

427.—Buys, J. L. The Cicadellidae of the vicinity of Ithaca, New York, with special reference to the structure of the gonapophyses. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **80** 1924 115 pp. 15 pls. [Hom.]

428.—Buysson, H. du. Indications relatives à la faune entomologique du Maroc (Elatérides). Bull. Soc. Sci. nat. Maroc, Rabat **4** 1924 pp. 206–210. [Col.]

429.—Buysson, H. du. Faune de l'Allier. Les Lépidoptères. Rev. sci. Bourbonnais, Moulins **1925** pp. 1–23.

430.—Buysson, H. du. Examen du terreau des arbres creux. Bull. Soc. Etude Sci. nat. Elbeuf **42** (1923) 1924 pp. 135–142.

431.—Cabeau, C. Aberrations de Lépidoptères. Rev. mens. Soc. ent. Namur **25** 1925 pp. 5–8, 38–39, 65, 81–82.

432.—Caillol, H. Catalogue des Coléoptères de Provence, 3e partie. Soc. linn. Provence, Marseilles 1921–24 pp. 237–508.

433.—Caillol, H. Sur le développement anormal d'une espèce de Coléoptère. Bull. Soc. linn. Provence, Marseilles **2** (1913) 1914 pp. 72–86.

434.—Caillol, H. Une espèce présumée nouvelle d'*Atritomus* Reitt. (Col. Mycetophagidae). Bull. Soc. ent. France, Paris **1925** p. 101.

435.—Caland, M. Verpopping van Pieridae. Ent. Ber., The Hague **6** 1925 pp. 388–396. [Lep.]

436.—Cameron, A. E. Fossil insects, with special reference to those of Tertiary lake deposits of the Simikameen Valley, B.C. Proc. Br. Columbia Ent. Soc., Victoria no. **10** (1917) 1918 pp. 21–29.

437.—Cameron, A. E. Life-history of the leaf-eating crane-fly *Cylindrotoma splendens*, Doane (Diptera, Tipulidae). Proc. Br. Columbia Ent. Soc., Victoria no. **12** (1918) 1919 pp. 9–12 1 pl.

438.—Cameron, A. E. Soil insects. Sci. Progr., London **20** 1925 pp. 92–108.

439.—Cameron, M. Staphylinidae collected in New Guinea by W. C. van Heurn, with descriptions of new species. Nova Guinea, Leyden **15** 1924 pp. 81–87. [Col.]

440.—Cameron, M. New Oriental Staphylinidae (Piestini). Ent. Mo. Mag., London **61** 1925 pp. 230–243. [Col.]

441.—Cameron, M. Descriptions of the new species of Staphylinidae in the Museo Civico di Storia Naturale di Genova. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1924 pp. 312–315. [Col.]

442.—Cameron, M. Descriptions of new species of Oriental Staphylinidae. Ann. Mus. civ. Stor. nat., Genoa **52** 1925 pp. 34–49. [Col.]

443.—Cameron, M. Catalogue of Indian Insects. Part 6. Staphylinidae. Govt. India Central Publ. Branch, Calcutta 1925 126 pp. [Col.]

444.—Cameron, M. New Staphylinidae from the Dutch East Indies. Treubia, Buitenzorg **6** 1925 pp. 174–198. [Col.]

445.—Campbell, R. E. & **Davidson,** W. M. Notes on aphidophagous Syrphidae of Southern California. Bull. S. Cal. Acad. Sci., Los Angeles **23** 1924 pp. 3–9, 59–71, 5 pls. [Dipt.]

446.—Campion, H. Odonata collected in Korinchi, West Sumatra, by Messrs. H. C. Robinson and C. Boden Kloss. J. Fed. Malay St. Mus., Kuala Lumpur **8** 1925 pp. 161–165.

447.—Campos, F. Estudios sobre la Fauna entomologica del Ecuador. Rev. Colegio nac. Vicente Rocafuerte, Guayaquil no. **4** 1921 pp. 16–59; no. **5** 1921 pp. 20–30 1 pl.; no. **6** 1921 pp. 24–100 3 pls.; no. **7** 1922 pp. 53–78 3 pls.; no. **11–12** 1923 pp. 3–43 1 pl.

448.—Campos, F. Entomologia regional. Especies neuvas de insectos ecuatorianos. Rev. Colegio nac. Vicente Rocafuerte, Guayaquil no. **3** 1921 pp. 84–92.

449.—Campos, F. Notas biologicas sobre el *Triatoma dimidiata* Latr. (Insecto Hemíptero de la Fam. Reduviidae). Rev. Colegio nac. Vicente Rocafuerte, Guayaquil no. **13–14** 1923 pp. 1–6 1 pl.

450.—Campos, F. Catálogo sistemático y sinonímico de los Cicindélidos del Ecuador conocidos hasta el día. Rev. Colegio nac. Vicente Rocafuerte, Guayaquil no. **15–18** 1924 pp. 3–23 1 pl. [Col.]

451.—Candèze, L. Note relative aux variations de *Ematurga atomaria* L. (Lepid. Géométride) et remarque sur une aberration nouvelle pour notre faune. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 58–60.

452.—Cappe de Baillon, P. Recherches sur le gynandromorphisme. *Metrioptera brachyptera* L. et *Leptophyes punctatissima* Bosc. (Orthoptères: Phasgonurides). Cellule, Louvain **34** 1924 pp. 71–129, 3 pls.

453.—Cappe de Baillon, P. Un problème de tératogénèse. Monstre double de Phasmide (*Carausius morosus*, Br.). C.R. Soc. Biol., Paris **93** 1925 pp. 163–164. [Orth.]

454.—Cappe de Baillon, P. Sur l'embryogénèse des monstres doubles chez les Phasmides (*Carausius morosus* Br.). C.R. Acad. Sci., Paris **181** 1925 pp. 479–481. [Orth.]

455.—Cappe de Baillon, P. Monstres doubles et intersexués chez les Phasmides. C.R. Acad. Sci., Paris **180** 1925 pp. 1371–1373, 1790–1792. [Orth.]

456.—Capra, F. Sulla fauna della Grotta del Pugnetto in Val di Lanzo. Atti R. Accad. Sci. Torino **59** 1924 pp. 69–77, 8 figs.

457.—Capra, F. Appunti sistematici sui Coccinellidi. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 136–139, 1 fig. [Col.]

458.—Caradja, A. v. 1. Zwei neue palaearktische *Crambus*-Arten und 2. einige Worte über wenig bekannte und neue *Cledeobia*-Formen. D. ent. Zs. Iris, Dresden **39** 1925 pp. 142–145. [Lep.]

459.—Caradja, A. Ueber Chinas Pyraliden, Tortriciden, Tineiden nebst kurze Betrachtungen, zu denen das Studium dieser Fauna Veranlassung giebt. Acad. Romana, Mem. Sect. Stiint. Bucharest ser. iii **3** 7 1925 pp. 257–383, 2 pls. [Lep.]

460.—Caroli, A. Di una nuova specie di *Corixa*. *Corixa monticellii* n. sp. Nota preliminare. Monitore zool. ital., Siena **35** 1924 pp. 197–200. [Hem.]

461.—Caroli, A. Sviluppo della *Corixa monticellii* n. sp. Atti Acc. fisiocritici Siena (9) **16** 1924 pp. 299–314, 1 pl. [Hem.]

462.—Carpenter, G. H. Some Collembola from Southern New Zealand. Mem. Manchester Lit. Phil. Soc. **69** 1925 pp. 88–120, 44 figs.

463.—Carpentier, F. Sur le double stigmate de quelques Orthoptères (2me note). Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 205–208.

464.—Carter, H. F. The Anopheline mosquitoes of Ceylon. Part I. The differential characters of the adults and and larvae. Ceylon J. Sci., Colombo Sect. D. Med. Sci. **1** 1925 pp. 57–97 7 pls. [Dipt.]

465.—Carter, H. J. Australian Coleoptera: notes and new species. No. IV. Proc. Linn. Soc. N.S.W., Sydney **49** 1924 pp. 521–544, 13 figs.

466.—Carter, H. J. Revision of the Australian species of *Chrysobothris* (Fam. Buprestidae), together with notes and descriptions of new species of Coleoptera. Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 225–244, 9 figs.

467.—Carter, H. J. Notes on the Dryopidae (Parnidae). Vict. Nat., Melbourne **42** 1925 pp. 149–150. [Col.]

468.—Carter, W. Records of Alberta Sphecoidea with description of new species of Crabronidae. Canad. Ent., Orillia **57** 1925 pp. 131–136. [Hym.]

469.—Cassino, S. E. & **Swett,** L. W. Some new Geometridae. Lepidopterist, Salem **4** 1925 pp. 33–47 3 figs. [Lep.]

470.—Cassino, S. E. On some *Eupithecia* with asymmetrical genitalia. Lepidopterist, Salem **4** 1925 pp. 47–56 6 figs. [Lep.]

Castle, A. *see* Philpott, Castle & Andersen.

471.—Caudell, A. N. A new species of myrmecophilous Thysanura from Bolivia. Proc. Ent. Soc. Washington **27** 1925 pp. 43–45 1 fig.

472.—Caudell, A. N. *Pycnoscelus surinamensis* Linnaeus (Orthoptera); on its nymphs and the damage it does to rose bushes. Proc. Ent. Soc. Washington **27** 1925 pp. 154–157 2 figs.

473.—Ceballos, G. Revisión de los *Gelis* del Museo de Madrid (Hym. Ichneum.). Eos, Madrid **1** 1925 pp. 133–198 23 figs.

474.—Chamberlin, F. S., **Tenhet,** J. N. & **Böving,** A. G. Life-history studies of the tobacco flea-beetle in the southern cigar-wrapper district. J. Agric. Res., Washington **29** 1924 pp. 575–584 7 figs. [Col.]

475.—Chamberlin, J. C. A new species of *Lepidosaphes* from China (Hemiptera, Coccidae). Pan-Pacific Ent., S. Francisco **2** 1925 pp. 85–86 2 figs.

476.—Chamberlin, J. C. Supplement to a monograph of the Lacciferidae (Tachardiinae) or lac insects (Homopt., Coccidae). Bull. Ent. Res., London **16** 1925 pp. 31–41.

477.—Chamberlin, T. R. A new parasite of the alfalfa weevil. J. Econ. Ent., Geneva N.Y. **18** 1925 pp. 597–602. [Hym.]

478.—Chamberlin, T. R. Some observations upon *Necremnus leucarthros* (Nees) (Hymenoptera: Eulophidae). Proc. Ent. Soc. Washington **27** 1925 pp. 142–144.

479.—Chamberlin, W. J. Notes on the Buprestidae of Oregon with descriptions of new species. J. New York Ent. Soc. **32** 1924 pp. 186–195 1 pl. [Col.]

480.—Chamberlin, W. J. A new species of *Poecilonota* from California (Coleoptera, Family Buprestidae). Pan-Pacific Ent., S. Francisco **1** 1925 pp. 186–187.

481.—Chambers, R. Etudes de microdissection. iv. Les structures mitochondriales et nucléaires dans les cellules germinales mâles chez la sauterelle. Cellule, Louvain **35** 1925 pp. 107–124, 2 pls. 1 fig. [Orth.]

482.—Champion, G. C. Studies in Phalacridae. Ann. Mag. Nat. Hist., London 1925. (i).—S. and E. African forms, (9) **15** pp. 35–53, 2 figs. (ii).—Asiatic and Tropical American forms, (9) **16** pp. 601–621, 2 figs. [Col.]

483.—Champion, G. C. Additions to the Curculionidae of Costa Rica and Panama (Coleoptera). Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 425–443.

484.—Champion, G. C. "*Phalacrus*" *confectus* Walk. and its southern allies (Fam. Anisotomidae). Ent. Mo. Mag., London **61** 1925 pp. 6–11, 1 fig. [Col.]

485.—Champion, G. C. Some Indian (and Tibetan) Coleoptera, 16–18. Ent. Mo. Mag., London **61** 1925 pp. 101–112, 169–181 5 figs; pp. 260–273 8 figs.

486.—Champlain, A. B., **Kirk,** H. B. & **Knull,** J. N. Notes on Cerambycidae (Coleoptera). Ent. News, Philadelphia **36** 1925 pp. 105–109, 139–142.

487.—Champlain, A. B. & **Knull,** J. N. A new species of *Lepturges* (Cerambycidae, Coleoptera). Ent. News, Philadelphia **36** 1925 p. 207.

488.—Champlain, A. B. & **Knull,** J. N. Two new North American Coleoptera (Buprestidae and Cerambycidae). Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 469–470.

489.—Champy, C. La dysharmonie des caractères sexuels secondaires et la proportionnalité des glandes sexuelles chez les insectes. C.R. Acad. Sci., Paris **181** 1925 pp. 155–157.

490.—Chandler, L. G. Habits of the sand-wasp. Vict. Nat., Melbourne **42** 1925 pp. 107–114. [Hym.]

491.—Chapin, E. A. Cleridae collected by the American Museum Congo Expedition, 1909–1915. Amer. Mus. Novit., New York no. **151** 1924 pp. 1–4. [Col.]

Chapman, J. W. *see* Wheeler & Chapman.

492.—Chevalier, L. Biologie de deux Hyménoptères fouisseurs et chasseurs de chenilles. Bull. Soc. Etude Sci. nat. Elbeuf **42** (1923) 1924 pp. 101–119.

493.—Chevalier, L. Nouvelle observation sur *Mydaea uliginosa*. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 15–16, 80–81. [Dipt.]

494.—Chevalier, L. Étude sur la biologie et la manière de vivre d'un diptère mangeur d'orthoptères: *Bigonichaeta setipennis* Fall. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 16–19.

495.—Chevalier, L. Notes sur la biologie et la manière de vivre de *Passalaecus turionum* Dhlb., Hyménoptère résinier mangeur de pucerons. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 22–29.

496.—Chevalier, L. Biologie et manière de vivre de *Psammophila arenaria* F., Hyménoptère mangeur de chenilles. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 34–39.

497.—Chevalier, L. Notice biologique sur *Ammophila sabulosa*. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 41–49. [Hym.]

498.—Chevalier, L. Études sur deux mouches vivipares: *Sarcophaga haemorrhoidalis* et *Pachyophthalmus signatus*. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 56–58. [Dipt.]

499.—Chevalier, L. Le *Mellinus arvensis* L. (le melline des champs), Hyménoptère fouisseur et mangeur de mouches. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 60–63.

500.—Chevalier, L. Notes sur deux Hyménoptères, mangeurs de larves de sauterelles. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 73–77.

501.—Chevalier, L. Un mangeur de Criocères, le *Cerceris quinquefasciata* Rossi. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924 pp. 77–80. [Hym.]

502.—Chevalier, L. Le *Psen atratus*, Hyménoptère mangeur de larves de pucerons. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **6** 1925 pp. 41–45.

503.—Chevalier, L. *Pemphredon lugubris* Latr., Hyménoptère mangeur de Pucerons. Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **6** 1925 pp. 69–71.

504.—Chih Ping. The biology of *Ephydra subopaca* Loew. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **49** 1921 pp. 561–612 5 pls. 1 fig. [Dipt.]

505.—China, W. E. Additional notes on the Heteroptera of Rodriguez. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 163–165. [Hem.]

506.—China, W. E. A new genus and two new species of Reduviidae (Heteroptera) from Australia. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 486–489. [Hem.]

507.—China, W. E. The Hemiptera collected by Prof. J. W. Gregory's Expedition to Yunnan, with synonymic notes on allied species. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 449–485, 5 figs.

508.—China, W. E. Notes on the life-history of *Triecphora vulnerata* Illiger (Homoptera, Cercopidae). Ent. Mo. Mag., London **61** 1925 pp. 133–134.

509.—China, W. E. Notes on the life-history and habits of *Notostira* (*Megaloceraea*) *erratica* L. Ent. Mo. Mag., London **61** 1925 pp. 28–33, 279–280, 10 figs. [Hem.]

510.—China, W. E. Insects new to Guernsey. Rept. & Trans. Guernsey Soc. Nat. Sci. **1924** 1925 pp. 307–308.

511.—China, W. E. Some new or little-known species of Hemiptera from Grahamstown, S. Africa. Rec. Albany Mus., Grahamstown **3** 1925 pp. 268–276, 5 figs.

512.—China, W. E. The Ethiopian Species of *Macropsis* Lewis (*Pediopsis* auct.) (Homopt. Bythoscopidae). Eos, Madrid **1** 1925 pp. 361–374, 6 figs. [Hem.]

513.—Chisholm, E. C. The principal fauna of the Comboyne Plateau 1923–1925. Austral. Zool., Sydney **4** 1925 pp. 54–74.

514.—Chittenden, F. H. Note on the sweet-potato leaf-beetle and a related Mexican form. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 91–92 1 fig. [Col.]

515.—Chittenden, F. H. Occurrence of *Meligethes aeneus* Fab. in the United States. Bull. Brooklyn Ent. Soc. **20** 1925 p. 149. [Col.]

516.—Chittenden, F. H. Note on the behavior of *Leptoglossus oppositus* Say. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 148–149. [Hem.]

517.—Chittenden, F. H. The genus *Coccotorus* Leconte (Coleoptera). Proc. Ent. Soc. Washington **27** 1925 pp. 129–132 2 figs.

518.—Chittenden, F. H. A new species of *Trichalophus* (Coleoptera). Proc. Ent. Soc. Washington **27** 1925 p. 141.

519.—Chittenden, F. H. Historical notes on *Brachyrhinus rugifrons* Gyll. Canad. Ent., Orillia **57** 1925 pp. 290–291 1 fig. [Col.]

520.—Cholodkovsky, N. Contribution à la connaisance de l'appareil génital de *Phaedon cochleariae* Fabr. [In Russian.] Bull. Sous-sect. combattre Ennemis Plantes Com. Agric. Petrograd **1** 1919 pp. 100–102 2 figs. [Col.]

521.—Chopard, L. Descriptions de Gryllides nouveaux (Orthoptères). Ann. Soc. ent. France, Paris **94** 1925 pp. 30, 291–332 66 figs. [Col.]

522.—Chopard, L. Blattidae de la Nouvelle-Calédonie et des Iles Loyalty. Nova Caledonia, Berlin A Zool. **3** 1924 pp. 301–336, 1 pl., 73 figs. [Orth.]

523.—Chopard, L. The Gryllidae of Ceylon in the British Museum collections. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 505–536, 31 figs. [Orth.]

524.—Chopard, L. Descriptions de Gryllides nouveaux de Java. Treubia, Buitenzorg **6** 1925 pp. 148–153 12 figs. [Orth.]

525.—Chopra, B. The fauna of an island in the Chilka Lake. The Ephemeroptera of Barkuda Island. Rec. Ind. Mus., Calcutta **26** 1924 pp. 415–422 7 figs.

526.—Chopra, R. L. On the structure, life-history, economic importance and distribution of the cocksfoot moth, *Glyphipteryx fischeriella*, Zell. Ann. App. Biol., Cambridge **12** 1925 pp. 359–397 21 figs. [Lep.]

527.—Christophers, S. R. Provisional list and reference catalogue of the Anophelini. Part I.—Provisional list of species. Part II.—Descriptive synopsis. Ind. Med. Res. Mem., Calcutta **3** 1924 pp. 1–105. [Dipt.]

528.—Chrystal, R. N. The genus *Dreyfusia* (order Hemiptera, family Chermesidae) in Britain, and its relation to the silver fir. Phil. Trans. R. Soc. London Ser. B. **214** 1925 pp. 29–61 5 pls.

Chung Lo Liu *see* Liu, Chung-Lo.

529.—Cilento, R. W. Malaria with especial reference to Australia and its dependencies. Commonw. Austr. Dept Health, Melbourne, Serv. Pub. (Trop. Div.) no. **3** [1924] 141 pp. 35 figs. [Dipt.]

530.—Ciszkiewicz, H. Matériaux pour servir à l'étude des Longicornes de la Pologne (Coleoptera, Cerambycidae). Polsk. Pismo ent., Lemberg **4** 1925 pp. 209–215.

531.—Claassen, P. W. *Typha* Insects: their ecological relationships. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **47** 1921 pp. 462–509 11 pls. 9 tables.

Claassen, P. W. *see* Needham & Claassen.

532.—Clare, M. R. A study of oxygen metabolism in *Drosophila melanogaster*. Biol. Bull., Wood's Hole, Mass. **49** 1925 pp. 440–460 5 figs. [Dipt.]

533.—Clark, B. P. New Sphingidae. Proc. New Engl. Zool. Cl., Cambridge, Mass. **9** 1924 pp. 11–21; 1925 pp. 31–40. [Lep.]

534.—Clark, L. B. A note on tropisms in *Plea striola* Fieber. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 186–187. [Hem.]

535.—Clarke, J. The ants of Victoria. Vict. Nat., Melbourne **42** 1925 pp. 58–59, 135–144. [Hym.]

536.—Claussen, P. Entwicklungsgeschichtliche Untersuchungen über den Erreger der als "Kalkbrut" bezeichneten Krankheit der Bienen. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 467–520, figs. [Hym.]

537.—Clément, H. Quelques effets de la centrifugation sur le *Bombyx mori*. C.R. Assoc. franç. Avanc. Sci., Paris **44** (1920) 1921 pp. 283–285, 5 figs. [Lep.]

538.—Clément, H. Les effluves à haute fréquence et la capture des insectes. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 p. 724.

540.—Clermont, J. Description d'une espèce nouvelle de Tenebrionidae (Col.). Bull. Soc. ent. France, Paris **1925** pp. 183–184 1 fig.

541.—Clermont, J. Note sur la capture de *Perigona nigriceps* à Paris et sur la distribution géographique de cette espèce (Col. Carabidae). Bull. Soc. ent. France, Paris **1925** pp. 249–250.

542.—Clermont, J. Quarante-huit heures au Musée entomologique des Guerreaux. Misc. ent., Castanet-Tolosan **29** 1925 pp. 11–14.

543.—Cleu, H. Diptères parasites des chenilles de *Graëllsia galliaegloria* Obthr. et du *Celerio vespertilio* Esp. Bull. Soc. ent. France, Paris **1925** pp. 126–127.

544.—Cleveland, L. R. The method by which *Trichonympha campanula*, a protozoon in the intestine of Termites, ingests solid particles of wood for food. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 282–287 1 pl. 1 fig.; also Johns Hopkins Univ. School Hyg. & Public Health, Baltimore Coll. Pprs. **6** 1925.

545.—Cleveland, L. R. The ability of Termites to live perhaps indefinitely on a diet of pure cellulose. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 289–293; also Johns Hopkins Univ. School Hyg. & Public Health, Baltimore Coll. Pprs. **6** 1925. [Isopt.]

546.—Cleveland, L. R. The feeding habit of Termite castes and its relation to their intestinal flagellates. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 295–306 1 pl.; also Johns Hopkins Univ. School Hyg. & Public Health, Baltimore Coll. Pprs. **6** 1925. [Isopt.]

547.—Cleveland, L. R. The effects of oxygenation and starvation on the symbiosis between the termite, *Termopsis*, and its intestinal flagellates. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 309–325 1 pl.; also Johns Hopkins Univ. School Hyg. & Public Health, Baltimore Coll. Pprs. **6** 1925. [Isopt.]

548.—Clutterbuck, C. G. Lepidoptera in Gloucestershire, etc., in 1923. Entomologist, London **58** 1925 pp. 129–131.

549.—Cobau, R. Gli "scopazzi" di *Calluna vulgaris* (L.) Salisb. Marcellia, Avellino **14** 1915 pp. 11–13 1 fig.

550.—Cockayne, E. A. Notes on a brood of *Parasemia plantaginis*, L., and var. *hospita*, W. V. Ent. Rec., London **37** 1925 pp. 44–45. [Lep.]

551.—Cockerell, T. D. A. Bees in the collection of the California Academy of Science. Proc. Cal. Acad. Sci., S. Francisco (4) **14** 1925 pp. 185–215, 345–367. [Hym.]

552.—Cockerell, T. D. A. Entomology of the Gulf of California. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 139–141.

553.—Cockerell, T. D. A. Bees of the genus *Coelioxys* in the collection of the California Academy of Sciences. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 145–151. [Hym.]

554.—Cockerell, T. D. A. Some bees collected by Mr. P. H. Timberlake at Riverside, California. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 179–180. [Hym.]

555.—Cockerell, T. D. A. Some parasitic bees of the Pacific Coast Region. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 180–181. [Hym.]

556.—Cockerell, T. D. A. The Eocene fossil fly *Eophlebomyia.* Psyche, Boston **32** 1925 pp. 229–230. [Dipt.]

557.—Cockerell, T. D. A. Fossil insects in the United States National Museum. Proc. U. S. Nat. Mus., Washington **64** 1924 art. 13 no. 2503 15 pp. 2 pls. 2 figs.

558.—Cockerell, T. D. A. Plant and insect fossils from the Green River Eocene of Colorado. Proc. U. S. Nat. Mus., Washington D.C. **66** art. 19 no. 2556 1925 13 pp. 2 pls.

559.—Cockerell, T. D. A. Tertiary insects from Kudia River, Maritime Province, Siberia. Proc. U. S. Nat. Mus., Washington **68** 1925 art. 5 no. 2606 16 pp. 2 pls. 5 figs.

560.—Cockerell, T. D. A. Some Halictine Bees from the Maritime Province of Siberia. Proc. U. S. Nat. Mus., Washington **68** 1925 art. 6 no. 2607 12 pp. [Hym.]

561.—Cockerell, T. D. A. A new form of *Smerinthus* (Lep. Sphingidae). Entomologist, London **58** 1925 pp. 37–38.

562.—Cockerell, T. D. A. Some bees from the Pyrenees. Entomologist, London **58** 1925 pp. 157–160. [Hym.]

563.—Cockerell, T. D. A. A new fossil dragonfly from Florissant. Entomologist, London **58** 1925 pp. 205–206. [Odon.]

564.—Cockerell, T. D. A. Descriptions and records of bees. CIV–CVII. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 489–496; (9) **16** 1925 pp. 228–233, 416–423, 621–629. [Hym.]

565.—Cockerell, T. D. A. Some bees from New Zealand. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 550–553. [Hym.]

566.—Cockerell, T. D. A. Tertiary fossil insects from Argentina. Nature, London **116** 1925 pp. 711–712, 3 figs.

567.—Cockerell, T. D. A. Some Philippine bees. Philipp. J. Sci., Manila **26** 1925 pp. 53–55. [Hym.]

568.—Cockerell, T. D. A. & **Custer,** C. A new fossil *Inocellia* (Neuroptera from Florissant. Entomologist, London **58** 1925 pp. 295–297, 1 fig.

569.—Cockerell, T. D. A. & **Harris,** R. C. The wings of Meloid beetles. Proc. Biol. Soc. Washington **38** 1925 pp. 25–32 1 pl. [Col.]

570.—Cockerell, T. D. A. & **Le Veque,** N. Bees from Samar, Philippine Islands. Philipp. J. Sci., Manila **27** 1925 pp. 169–175. [Hym.]

571.—Cockerell, T. D. A. & **Snyder,** T. E. A fossil Termite from Germany. Proc. Biol. Soc. Washington **38** 1925 pp. 21–22, 1 pl. [Isopt.]

572.—Cockle, J. W. The mating of *Boreus californicus.* Proc. Br. Columbia Ent. Soc., Victoria no. **4** 1914 pp. 52–54. [Mecopt.]

573.—Cockle, J. W. Notes on the hibernation of some larvae and the movement of *Boreus* in the snow. Proc. Br. Columbia Ent. Soc., Victoria no. **10** (1917) 1918 pp. 14–15. [Mecopt.]

574.—Codina, A. Entomología de Catalunya. Coleópters. Fascicle I. Coleoptera Adephaga. Fam. Carabidae, subfam. Carabinae, Gènere: *Carabus,* 157 pp. 51 figs. Inst. d'Estudis catalans, Barcelona 1915 [1917].

575.—Codina, A. Entomología de Catalunya. Hemipters. Fascicle I. Generalitats i Classificació, Famílies. 150 pp., 12 figs., 4 pls. Inst. d'Estudis catalans, Barcelona [1923].

576.—Codina, A. Más acerca de una forma de *Carabus* (*Hadrocarabus*) *latus* Dej., de Santa Eulalia (Teruel). Bol. Soc. ent. España, Saragossa **8** 1925 pp. 59–64. [Col.]

577.—Cognetti de Martiis, L. Contributo alla conoscenza istolica delle ghiandole rettali dei Ditteri. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 25 30 pp. 1 fig. 1 pl. [Dipt.]

578.—**Cole,** F. R. Notes on the Diptera of Laguna Beach, California. J. Ent. & Zool., Claremont, Cal. **17** 1925 pp. 55–59 1 pl.

579.—**Cole,** F. R. Notes on the Dipterous family Therevidae. Canad. Ent., Orillia **57** 1925 pp. 84–88 2 figs.

580.—**Coleridge,** P. L. The life-history of *Papilio nox erebus* Wall. Singapore Naturalist no. **5** 1925 pp. 68–71 1 pl. [Lep.]

581.—**Collart,** A. Quelques observations sur les Fourmis *Megaponera.* Rev. zool. afr., Brussels **13** pp. [26]–[28]. [Hym.]

582.—**Collenette,** C. L. The present status of *Danaida plexippus* L. in the Pacific Islands. Ent. Mo. Mag., London **61** 1925 pp. 198–202. [Lep.]

583.—**Collin,** J. E. Diptera (Cyclorrhapha) from Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1924. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 332–337.

584.—**Collins,** R. L. A lower Eocene termite from Tennessee. Amer. J. Sci., New Haven, Conn. (5) **9** 1925 pp. 406–410, 7 figs. [Isopt.]

585.—**Combes,** M. Les fourmis jettent-elles les objets volontairement ? Ann. Sci. nat. (Zool.), Paris (10) **8** 1925 pp. 295–300 2 figs. [Hym.]

586.—**Compere,** H. New Chalcidoid (Hymenopterous) parasites and hyperparasites of the black scale, *Saissetia oleae* Bernard. Univ. Calif. Pubns. Ent., Berkeley **3** 1925 pp. 295–326 6 pls.

587.—**Compere,** H. A preliminary report on the parasitic enemies of the citricola scale [*Coccus pseudomagnoliarum* (Kuwana)] with descriptions of two new Chalcidoid parasites. Bull. S. Cal. Acad. Sci., Los Angeles **23** 1924 pp. 113–123, 6 figs. [Hym.]

588.—**Compere,** H. A new genus and species of Aphelinidae (Hymenoptera) from China. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 129–133 2 pls.

589.—**Comstock,** J. A. Studies in Pacific Coast Lepidoptera. Bull. S. Cal. Acad. Sci., Los Angeles **23** 1924 pp. 13–16, 51–52, 1 pl.; **24** 1925 pp. 3, 37, 62–68, 1 pl.

590.—**Comstock,** J. A. Butterflies of California. Bull. S. Cal. Acad. Sci., Los Angeles **23** 1924 pp. 18–20, 53, 124–125, 157, 2 pls.; **24** 1925 pp. 4, 38, 61–62 2 pls. [Lep.]

591.—**Comstock,** J. H. Introduction to Entomology. 1st Complete edition, 3rd Edition of Part I. Ithaca, N.Y., Comstock Publishing Co. 1924 xix + 1044 pp. 1228 figs.

592.—**Cook,** W. C. The distribution of the pale western cutworm, *Porosagrotis orthogonia* Morr.: a study in physical ecology. Ecology, Brooklyn **5** 1924 pp. 60–69, 2 tables, 7 figs. [Lep.]

593.—**Cooke,** B. H. A summer in the Hautes Pyrénées. Entomologist, London **58** 1925 pp. 87–96, 119–123.

594.—**Coolidge,** K. R. The life-history of *Danaus berenice strigosa* Bates (Lepidoptera; Danaidae). Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 27–33.

595.—**Coolidge,** K. R. The life-history of *Euchloe creusa hyantis* Edw. (Lepid. Pieridae). Ent. News, Philadelphia **36** 1925 pp. 65–68.

596.—**Corneli,** W. Von dem Aufbau des Sehorgans der Blattwespenlarven und der Entwicklung des Netzauges. Zool. Jahrb., Jena Abt. Anat. **46** 1924 pp. 573–608, 3 pls., 2 figs. [Hym.]

597.—**Cornetz,** V. Un anniversaire : l'expérience de Piéron. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 132–145 4 figs. [Hym.]

598.—**Corporaal,** J. B. Fauna Buruana. Coleoptera, Fam. Cleridae. Treubia, Buitenzorg **7** 1925 pp. 1–4.

599.—**Corporaal,** J. B. Ein neuer *Clerus* (Col. Clerid.). Ent. Mitt., Berlin **14** 1925 pp. 394–395.

600.—**Corti,** A. Studien über die Gattung *Agrotis* O. (Lep.). IV. Ent. Mitt., Berlin **14** 1925 pp. 212–233 12 figs. 1 pl.

601.—**Corti,** A. Studien über die Gattung *Agrotis* O. (Lep.). V, VI & VII. Schweiz. ent. Anz., Zürich **4** 1925 pp. 19–21, 37–40 8 figs.; pp. 65–67 3 figs.

602.—**Corti,** A. Studien über die Gattung *Agrotis* O. VIII. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 86–91. [Lep.]

603.—Costa Lima, A. da. Sobre duas especies de Coccideos do genero *Aonidiella* ainda não assignaladas no Brazil. Egatea, Porto Alegre **9** 1924 pp. 195–199 3 figs. [Hom.]

604.—Costa Lima, A. da. Notas sobre *Stephanoderes seriatus*, Eichhoff. Bol. Minist. Agric. Ind. Comm., Rio de Janeiro **14** (1) 1925 pp. 194–199, 365–368. [Col.]

605.—Cotte, J. Nouvelles observations sur *Asterolecanium fimbriatum* (Fonsc.). Marcellia, Avellino **15** (1916) 1917 pp. 117–121. [Hom.]

606.—Cotte, J. Quelques Diptérocécidies nouvelles de Provence. Marcellia, Avellino **16** (1917) 1919 pp. 67–71, 2 figs.

607.—Cotte, J. & **Tian,** A. Observations sur le métabolisme de la mouche domestique (*Musca domestica*, L.). Soc. Biol., Paris Réunion plénière 1924 pp. 193–196 1 fig. [Dipt.]

608.—Coulon, L. Les nids d'Hyménoptères du Musée d'Histoire Naturelle d'Elbeuf. Bull. Soc. Etude Sci. nat. Elbeuf **42** (1923) 1924 pp. 85–100.

609.—Coulon, L. Les Formicides du Musée d'Elbeuf. Bull. Soc. Etude Sci. nat. Elbeuf **42** (1923) 1924 pp. 121–134. [Hymen.]

610.—Cowdry, E. V. The occurrence of *Rickettsia*-like microörganisms in adult "locusts" (*Tibicen septendecim* Linn.). Biol. Bull., Wood's Hole, Mass., **48** 1925 pp. 15–18 1 pl. [Hom.]

611.—Cragg, F. W. Observation on the reproductive system of *Cimex*: impregnation. Ind. J. Med. Res., Calcutta **12** 1925 pp. 451–455. [Hem.]

612.—Crampton, G. C. Evidences of relationship indicated by the thoracic sclerites of certain Eriopterine Tipuloid Diptera. Insec. Insc. Menstr., Washington **13** 1925 pp. 197–213 2 pls.

613.—Crampton, G. C. A phylogenetic study of the thoracic sclerites of the non-Tipuloid Nematocerous Diptera. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 49–69 5 pls.

614.—Crampton, G. C. A phylogenegenetic study of the labium of holometabolous insects, with particular reference to the Diptera. Proc. Ent. Soc. Washington **27** 1925 pp. 68–91 3 pls.

615.—Crampton, G. C. The external anatomy of the head and abdomen of the roach, *Periplaneta americana*. Psyche, Boston **32** 1925 pp. 195–219 3 pls. [Orth.]

616.—Crawford, D. L. Notes on Hawaiian Psyllidae. Proc. Hawaiian Ent. Soc. 1924, Honolulu **6** 1925 pp. 27–32. [Hom.]

617.—Crawford, D. L. Notes on California Psyllidae. Proc. Hawaiian Ent. Soc. 1924, Honolulu **6** 1925 pp. 30–31. [Hom.]

618.—Crawford, D. L. The Homopterous genus *Mesohomotoma* (Psyllidae or Chermidae). Proc. Hawaiian Ent. Soc. 1924, Honolulu **6** 1925 pp. 32–35.

619.—Crawford, D. L. The Genus *Macrohomotoma* (Psyllidae or Chermidae). Proc. Hawaiian Ent. Soc. 1924, Honolulu **6** 1925 pp. 36–39 2 figs. [Hom.]

620.—Crawford, D. L. Notes on Psyllidae. Philipp. J. Agric., Manila **28** 1925 pp. 29–42 1 fig. [Hom.]

621.—Crawford, D. L. Psyllidae of South America. Brotéria, Caminha **22** 1925 pp. 56–74 2 figs. 1 pl. [Hom.]

622.—Crawley, W. C. New Ants from Australia.—II. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 577–598. [Hym.]

623.—Crawley, W. C. Formicidae. A new genus. Ent. Rec., London **37** 1925 pp. 40–41. [Hym.]

624.—Crawley, W. C. Further light on temporary social parasitism in the genus *Lasius*. Ent. Rec., London **37** 1925 pp. 170–171. [Hym.]

625.—Cresson, Jr., E. T. Studies in the Dipterous family Ephydridae, excluding the north and south American faunas. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 227–258.

626.—Cresson, Jr., E. T. Descriptions of new genera and species of the Dipterous family Ephydridae. VII. Ent. News, Philadelphia **36** 1925 pp. 165–167.

627.—Cresson, Jr., E. T. Entomological Literature. Ent. News, Philadelphia **36** 1925 pp. 28–32, 58–61, 88–94, 123–126, 150–156, 186–192, 212–218, 245–253, 277–283, 310–314.

628.—Cretschmar, M. Die Kreuzungen J. W. H. Harrisons *Boarmia* (*Ectropis*) *bistortata* Goeze und *crepuscularia* Hbn. Intern. ent. Zs., Guben **19** 1925 pp. 126–128, 133–136. [Lep.]

629.—Crèvecoeur, A. Les Osmies de la Belgique (G. *Osmia* Pz.). Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 183–194. [Hym.]

630.—Criddle, N. Field Crickets in Manitoba. Canad. Ent., Orillia **57** 1925 pp. 79–84. [Orth.]

631.—Criddle, N. A new *Cicindela* from the adjacent territory of Montana and Alberta. Canad. Ent., Orillia **57** 1925 pp. 127–128. [Col.]

632.—Crossman, S. S. Two imported egg parasites of the gipsy moth, *Anastatus bifasciatus* Fonsc. and *Schedius kuvanae* Howard. J. Agric. Res., Washington **30** 1925 pp. 643–675 11 figs. [Hym.]

633.—Crozier, W. J. Wave length of light and photic inhibition of stereotropism in *Tenebrio* larvae. J. Gen. Physiol., Baltimore **6** 1924 pp. 647–652, 1 fig. [Col.]

634.—Crozier, W. J. & Federighi, H. The phototropic mechanism in *Ranatra*. J. Gen. Physiol., Baltimore **7** 1924 pp. 217–220, 2 figs. [Hem.]

635.—Crozier, W. J. & Federighi, H. On the measurement of critical thermal increment for biological processes. Proc. Nat. Acad. Sci., Washington **11** 1925 pp. 80–82, 1 fig. [Lep.]

636.—Csiki, E. Scaphidiidae formosanae novae. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 p. 32. [Col.]

637.—Csiki, E. Ad cognitionem generis *Perigona* Cast. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 171–174. [Col.]

638.—Cuénot, L. Coléoptères droits et gauches. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 682–683.

639.—Cuénot, L. L'adaptation. Paris, Doin, Encyclopédie scientifique 1925 pp. 1–420, 82 figs.

640.—Culot, J. *Mamestra* ? *romieuxi* Clt. Bull. Soc. lép. Genève **5** 1924 pp. 96–97 1 fig. [Lep.]

641.—Cuno, W. Erfolge und Misserfolge in der Raupenzucht. Int. ent. Ver. Buchbeilage, Frankfort on M. **1924–25** 1925 pp. 22–28. [Lep.]

642.—Curran, C. H. The American species of the Tachinid genus *Peleteria* Desv. (Diptera). Trans. R. Soc. Canada, Ottawa **19** Sec. 5 1925 pp. 225–257 2 pls.

643.—Curran, C. H. Three new Diptera from Labrador. Canad. Ent., Orillia **57** 1925 pp. 24–26.

644.—Curran, C. H. New species of *Xylota* (Syrphidae, Dipt.). Canad. Ent., Orillia **57** 1925 pp. 44–45.

645.—Curran, C. H. Notes on some species of the genus *Eristalis* (Syrphidae, Diptera). Canad. Ent., Orillia **57** 1925 p. 50.

646.—Curran, C. H. Note on the rearing of *Eurosta solidaginis* and variety *fascipennis* (Trypaneidae, Dipt.). Canad. Ent., Orillia **57** 1925 pp. 128–129.

647.—Curran, C. H. New Tachinidae in the Canadian National Collection (Diptera). Canad. Ent., Orillia **57** 1925 pp. 150–156.

648.—Curran, C. H. *Buckellia*, a new genus of Asilidae (Diptera). Canad. Ent., Orillia **57** 1925 p. 156.

649.—Curran, C. H. Four new Nearctic Diptera. Canad. Ent., Orillia **57** 1925 pp. 254–257.

650.—Curran, C. H. Some apparently new Nearctic Tachinidae (Diptera). Canad. Ent., Orillia **57** 1925 pp. 281–286.

651.—Curran, C. H. Descriptions of two insects found in imported foodstuffs. Canad. Ent., Orillia **57** 1925 pp. 292–293 3 figs. [Dipt., Psocop.]

652.—Curran, C. H. Some Syrphid synonymy (Diptera). Canad. Ent., Orillia **57** 1925 p. 307.

653.—Curran, C. H. Three new nearctic Tachinidae (Dipt.). Ent. News, Philadelphia **36** 1925 pp. 13–18.

654.—Curran, C. H. Revision of the genus *Neoascia* Williston (Diptera : Syrphidae). Proc. Ent. Soc. Washington **27** 1925 pp. 51–62.

655.—Curran, C. H. New Diptera in the American Museum of Natural History. Amer. Mus. Novit., New York no. **176** 1925 pp. 1–10, 2 figs.

656.—Curran, C. H. New American Diptera, I–II. Ann. Mag. Nat. Hist., London (9) **16** pp. 243–253, 338–354.

657.—Curran, C. H. Three additional new species of South African Dolichopodidae (Diptera). Ann. Transvaal Mus., Pretoria **11** 1925 pp. 176–178, 1 pl.

658.—Curran, C. H. Records of Dolichopodidae from the Belgian Congo, with descriptions of new species. Rev. zool. afr., Brussels **13** 1925 pp. 103–122 12 figs. [Dipt.]

659.—Cushman, R. A. The synonymy and generic position of two North American Ichneumon-flies. Proc. Ent. Soc. Washington **27** 1925 pp. 164–166. [Hym.]

660.—Cushman, R. A. Some generic transfers and synonymy in Ichneumonidae (Hym.). J. Washington Acad. Sci. **15** 1925 pp. 388–392. [Hym.]

661.—Cushman, R. A. H. Sauter's Formosa-Collection: *Xanthopimpla* (Ichneum.: Hym.). Ent. Mitt., Berlin **14** 1925 pp. 41–50.

Custer, C. *see* Cockerell & Custer.

662.—Cutright, C. R. Subterranean Aphids of Ohio. Ohio Agric. Expt. Sta., Wooster Bull. **387** 1925 pp. 175–238 6 pls. [Hom.]

663.—Czerny, L. Monographie der Helomyziden (Dipteren). Abh. zool.-bot. Ges., Vienna **15** 1924 pp. 1–166 1 pl.

664.—Dahl, F. Die Tierwelt Deutschlands und der angrenzenden Meeresteile nach ihren Merkmalen und nach ihrer Lebensweise. Zweiter Teil: Schmetterlinge oder Lepidoptera. I: Tagfalter (Rhopalocera). Jena, G. Fischer 1925, 53 pp., 43 figs. [Not seen.]

665.—Dahl, T. Beiträge zur Kenntnis der Oekologie der deutschen Carabiden. Mitt. zool. Mus. Berlin **12** 1925 pp. 1–101. [Col.]

666.—Dahlgren, U. The sense of hearing in invertebrate animals. Nat. Hist., New York **25** 1925 pp. 233–240, 6 figs. [Orth.]

667.—Dampf, A. Beiträge zur Kenntnis vom Massenwechsel (Gradation) schädlicher Insekten. 7. Die Anwendung der biozönotisch-statistischen Methode bei tropischen Pflanzenschädlingen. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 465–466.

668.—Dampf, A. Contribuciones a la morphologia y biologia de la *Schistocerca paranensis* Burm., la langosta devastadora de America. Monog. Inst. Higiene, Mexico no. **3** 1925 pp. 48–84, 35 pls. [Orth.]

669.—Dampf, A. Observaciones acerca de los parasitos encontrados en la langosta. A. Parasitos destructores de los huevos. Monog. Inst. Higiene, Mexico no. **3** 1925 pp. 85–93, 3 pls. [Orth.]

670.—Dampf, A. Estudios acerca de cadaveras de langostas. B. La vida entomologica en montanes de langostas muertas. Monog. Inst. Higiene, Mexico no. **3** 1925 pp. 109–113. [Orth.]

Dampf, A. *see* Hoffmann & Dampf.

671.—Daniel, Fr. & **Pfeiffer,** E. *Lobophora sertata* Hbn. im Allgäu. Mitt. münchn. ent. Ges., Munich **9** 1920 pp. 65–68, 1 pl. [Lep.]

672.—Dannehl, F. Die Macrolepidopteren der Umgebung von Beuerberg und des unteren Loisachtales. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 32–44.

673.—Dannehl, F. *Zanclognatha tenuialis* Rbl. und ihre Stände. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 91–96. [Lep.]

674.—Dannehl, F. Neue Formen und Lokalrassen. Auszüge aus den Arbeiten über die Ergebnisse meiner Sammelreise 1914 bis 1924. Ent. Zs., Frankfort on M. **39** 1925 pp. 5–7, 11–12. [Lep.]

675.—Dannehl, F. Beiträge zur Lepidopteren-Fauna Südtirols. Ent. Zs., Frankfort on M. **39** 1925 pp. 17–19, 39–40, 44, 48, 51–52, 56, 60, 64, 68, 72, 76, 82, 87–88, 96, 103–104, 107–108, 115–116, 119–120, 122–123, 128, 131–132, 135, 139–140, 143, 148. [Lep.]

676.—Dauphin, A. Etude sur *Plagionotus arcuatus* L. et ses variétés bourbonnaises. Rev. sci. Bourbonnais, Moulins **1925** pp. 99–103 1 pl. [Col.]

677.—Dauphin, A. Observations sur le *Plagionotus arcuatus* L. var. *buyssoni* mihi. Misc. ent., Castanet-Tolosan **28** 1925 pp. 69–70 2 figs. [Col.]

678.—Davey, H. W. Ants and their guests. Vict. Nat., Melbourne **42** 1925 pp. 99–101. [Hym.]

679.—Davidson, J. A list of British Aphides. London, Longmans, Green & Co. 1925 xi + 176 pp. [Hom.]

680.—Davidson, J. Biological studies of *Aphis rumicis* Linn. Factors affecting the infestation of *Vicia faba* with *Aphis rumicis.* Ann. App. Biol., Cambridge **12** 1925 pp. 472–507 5 figs. 12 tables. [Hom.]

Davidson, W. M. *see* Campbell & Davidson.

681.—Davis, A. C. *Neoclytus carus* and *modestus.* Pan-Pacific Ent., S. Francisco **1** 1925 p. 169. [Col.]

682.—Davis, J. J. Relation of Insects to human life and to the Sciences. Proc. Indiana Acad. Sci., Brookville **33** (1923) 1924 pp. 287–297.

683.—Davis, W. T. *Cicada tibicen,* a South American species, with records and descriptions of North American Cicadas. J. New York Ent. Soc. **33** 1925 pp. 35–51, 1 pl. [Hom.]

684.—Davis, W. T. The female of the roach *Parcoblatta caudelli* and the occurrence of the species on Long Island, N.Y. J. New York Ent. Soc. **33** 1925 pp. 188–189. [Orth.]

685.—Day, F. H. The Coleoptera of Cumberland. Part III. Trans. Carlisle Nat. Hist. Soc. **3** 1923 pp. 70–107.

686.—Day, F. H. Cumberland Coleoptera and Hemiptera in 1924. Naturalist, London **1925** pp. 75–77.

687.—Day, G. O. Notes on the early stages of *Calocampa cineritia,* Grote. Proc. Br. Columbia Ent. Soc., Victoria no. **5** 1915 pp. 86–87. [Lep.]

688.—Day, G. O. Notes on the early stages of *Epirrita dilutata* Denis & Schiff. Proc. Br. Columbia Ent. Soc., Victoria no. **5** 1915 pp. 95–96. [Lep.]

689.—Day, G. O. Life-history of *Perigrapha praeses* Grt. Proc. Br. Columbia Ent. Soc., Victoria no. **12** (1918) 1919 pp. 17–19. [Lep.]

690.—Day, G. O. Early stages of *Nepytia phantasmaria* Strecker (Lepidoptera). Proc. Br. Columbia Ent. Soc., Victoria no. **18** 1921 pp. 30–32.

691.—Deegener, P. Soziologische Studien an Raupen und Bemerkungen über Licht- und statischen Sinn. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 10 pp. 91–154, 5 figs. [Lep.]

692.—Deegener, P. Lebensgewohnheiten der Insekten. Leipzig, Quelle & Meyer, 1925, 135 pp. [Not seen].

693.—Dehorne, A. Sur un corps myélinique complexe dans le tissu graisseux d'une Blatte femelle. C.R. Soc. Biol., Paris **93** 1925 pp. 1607–1609 1 fig. [Orth.]

694.—Delahon, P. Nachträge zu " Schilskys Systematischem Verzeichnis der Käfer Deutschlands " von 1909 mit besonderer Berücksichtigung der Formen der Mark Brandenburg, sowie einige sonstige Bemerkungen ueber Käfer aus Deutschland. D. ent. Zs., Berlin **1925** pp. 305–308. [Col.]

695.—Delétang, L. F. Monografia de los cicádidos (Cicadidae) argentinos y relación de éstos con la fauna sudamericana. An. Mus. nac. Hist. nat. Buenos Aires **31** 1923 pp. 538–649 34 figs. [Hom.]

696.—Della Beffa, G. Contributo alla conoscenza della fauna entomologica del Piemonte: Omotteri (Emitteri). Boll. Soc. ent. ital., Genoa **57** pp. 141–147. [Hom.]

697.—Della Corte, M. Lo spessore del guscio delle uova di *Bombyx mori* nelle principali razze oggi allevate. Boll. R. Staz. sperimt. Gelsicoltura e Bachicoltura, Ascoli Piceno **4** 1925 pp. 223–234. [Lep.]

De Long, D. M. *see* Ball & De Long.

698.—Del Ponte, E. Contribución al estudio del gen. *Triatoma* Lap. I & II. Rev. Inst. bact., Buenos Aires **2** 1920 pp. 729–744 28 figs.; **3** 1921 pp. 133–196 57 figs. 1 map. [Hem.]

699.—Del Ponte, E. Nota adicional sobre el género *Triatoma* Laporte, còn la descripción de 3 especies nuevas. Rev. Inst. bact., Buenos Aires **4** 1925 pp. 23–31, 2 figs. 1 pl. [Hem.]

700.—Demaison, L. Sur quelques aberrations de Noctuelles du genre *Acronycta* Ochs. (Lep.). Bull. Soc. ent. France, Paris **1925** pp. 306–308.

701.—Demel, K. La migration des Libellules par Hel (Pologne). Kosmos, Lemberg **49** 1924 pp. 873–875. [Odon.]

702.—Denis, J. R. Sur les Collemboles du Muséum de Paris. Ann. Soc. ent. France, Paris **94** 1925 pp. 261–290 35 figs.

703.—Denis, J. R. Sur la faune française des Apterygotes (7e et 8e notes). Bull. Soc. ent. France, Paris **1925** pp. 145–146, 241–245 13 figs.

704.—Denis, J. R. Sur la faune française des Apterygotes. Bull. Soc. zool. France, Paris **50** 1925 p. 97.

705.—Denis, J. R. Sur les Collemboles de l'Afrique du Nord. 2e note. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 254–256 1 fig.

706.—Denis, J. R. Sur la faune italienne des Collemboles. Mem. Soc. ent. ital., Genoa **3** (1924) 1925 pp. 201–214, 14 figs.

708.—Depoli, G. Appunti sulle forme italiane del *Carabus convexus* Fab. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 74–78. [Col.]

709.—Derenne, F. Aberrations de Lépidoptères. Rev. mens. Soc. ent. Namur **25** 1925 p. 92.

710.—Desbordes, H. Description d'un *Saprinus* nouveau de l'Amérique du sud (Col. Histeridae). Bull. Mus. Hist. nat. Paris **1924** pp. 372–373.

711.—Desbordes, H. Description d'un Histéride nouveau de l'Inde anglaise (Col.). Bull. Soc. ent. France, Paris **1925** p. 12.

712.—Desbordes, H. Description d'un Histéride nouveau de Sumatra (Col.). Bull. Soc. ent. France, Paris **1925** pp. 21–22.

713.—Desbordes, H. Description de trois Histérides nouveaux des îles Philippines (Col.). Bull. Soc. ent. France, Paris **1925** pp. 85–88.

714.—Desbordes, H. Description d'un genre nouveau et d'une espèce nouvelle d'Histérides (Col.). Bull. Soc. ent. France, Paris **1925** pp. 162–163.

715.—Descy, A. La vie sociale chez les insectes. Ann. Sci. nat. (Zool.) Paris (10) **8** 1925 pp. 87–104.

716.—Descy, A. Recherches sur la sexualité et l'instinct chez les Hyménoptères. Bull. biol. France Belgique, Paris **58** 1924 pp. 1–37.

717.—Dettmer, H. Neue Cynipiden aus den Niederlanden. Natuurhist. Maandblad, Maastricht **14** 1925 pp. 122–125, 148–150. [Hym.]

718.—Detwiler, J. D. Further studies of the ventral prothoracic gland of Notodontid caterpillars. Canad. Ent., Orillia **57** 1925 pp. 266–271 1 pl. [Lep.]

719.—Deutsch, A. *Hepialus ganna*- und *Anarta nigrita*-Fang auf der Saile bei Innsbruck. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 29–31. [Lep.]

720.—Deville, J. Ste.-C. Description d'un *Anillus* nouveau de France (Col. Carabidae). Bull. Soc. ent. France, Paris **1925** pp. 255–256.

Diakonov *see* Djakonov.

721.—Didier, R. Description de Lucanides nouveaux. Bull. Soc. ent. France, Paris **1925** pp. 154–156. [Col.]

722.—Didier, R. Description sommaire de deux *Aegus* nouveaux (Col. Lucanidae). Bull. Soc. ent. France, Paris **1925** pp. 163–166.

723.—Didier, R. Description d'un Lucanide nouveau. Bull. Soc. ent. France, Paris **1925** pp. 202–205 2 figs. [Col.]

724.—Didier, R. Descriptions sommaires de Lucanides nouveaux de la faune indo-chinoise. Bull. Soc. ent. France, Paris **1925** pp. 218–223. [Col.]

725.—Didier, R. Description d'une espéce nouvelle de Lucanides (Col.). Bull. Soc. ent. France, Paris **1925** pp. 262–266 2 figs.

726.—Dietz, H. F. Notes on the Termites of Indiana. Proc. Indiana Acad. Sci., Brookville **30** (1920) 1921 pp. 87–96 2 pls. 2 figs.; **33** (1923) 1924 pp. 299–301.

727.—Dimitrowa, A. Ergebnis einer Untersuchung der Myrmeleoniden Bulgariens, Thraziens und Mazedoniens. SitzBer. Ges. natf. Freunde, Berlin **1923** 1925 pp. 136–140. [Neur.]

728.—Dingler, M. Die Hausinsekten und ihre Bekämpfung. Berlin, P. Parey 1925 96 pp. 64 figs.

729.—Dingler, M. Rüsselkäferstudien. I. Die Generation des *Hylobius abietis* L. Zs. angew. Ent., Berlin **11** 1925 pp. 1–22. [Col.]

730.—Dingler, M. Ueber das Winterlager der Zangenböcke (Gattung *Rhagium*). Zs. angew. Ent., Berlin **11** 1925 pp. 455–458, 3 figs. [Col.]

731.—Dittrich, R. Die Tenthredinidocecidien, durch Blattwespen verursachte Pflanzengallen und ihre Erzeuger. Zoologica, Stuttgart **24** Heft 61, Lief. iv, 1924 pp. 587–635, 10 pls. [Hym.]

732.—Dixey, F. A. Scents in Canadian butterflies. Trans. Ent. Soc. London **1925** pp. xxv–xxvi.

733.—Djakonov, A. M. Neue und wenig bekannte Arten und Gattungen der paläarktischen Heteroceren (Lepidoptera). [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 181–186 3 figs.

Djakonov, A. M. *see* Filipjev & Djakonov.

734.—[Djakonov, D. M.] Дьяконов, Д. М. Notes on castration, parasites and regeneration of pincers in *Forficula auricularia.* [In Russian.] Bull. Inst. Recherches biol. Univ. Perm **1** 1923 pp. 159–164. [Orth.]

735.—Djakonov, D. M. Experimental and biometrical investigations on dimorphic variability of *Forficula.* J. Genetics, Cambridge **15** 1925 pp. 201–232. [Orth.]

736.—Dobbrick, L. Die Libellenfauna der Tucheler Heide. Ber. westpreuss. bot.-zool. Ver., Danzig **45–46** 1924 pp. 21–24. [Odon.]

737.—Dobbrick, W. Bemerkenswerte Feststellungen über das Vorkommen seltenerer und neuer Libellenarten in Westpreussen. Ber. westpreuss. bot.-zool. Ver., Danzig **45–46** 1924 pp. 32–33. [Odon.]

738.—Dobbrick, W. Die Libellen des Mariensees und seiner nächsten Umgebung. Ber. westpreuss. bot.-zool. Ver., Danzig **47** 1925 pp. 31–41. [Odon.]

739.—[Dobrodeev, A. I.] Добродеев, А. И. Большой лиственный пилильщик. [*Lygaeonematus erichsoni*, Hart.] Repts. Bur. App. Ent. Agric. Sci. Comm. [Petrograd] **1** 1921 pp. 100–128 1 pl. [Hym.]

740.—Dobroscky, I. D. External parasites of birds and the fauna of birds' nests. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 274–281.

741.—Dobrzhansky, Th. G. Die geographische und individuelle Variabilität von *Adalia bipunctata* L. und *A. decempunctata* L. (Coleoptera, Coccinellidae). [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 201–212.

742.—Dob[r]zhansky, Th. Zur Kenntnis der Gattung *Coccinella* auct. Zool. Anz., Leipzig **62** 1925 pp. 241–249, 2 figs. [Col.]

743.—Dob[r]zhansky, Th. Die paläarktischen Arten der Gattung *Coccinula* Dobzh. Zool. Anz., Leipzig **64** 1925 pp. 277–284. [Col.]

744.—Dob[r]zhansky, Th. Ueber das Massenauftreten einiger Coccinelliden im Gebirge Turkestans. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 249–256. [Col.]

745.—Docters van Leeuwen, W. M. Some Australian Zoocecidia. Marcellia, Avellino **21** (1924) 1925 pp. 138–164, 37 figs.

746.—Dodd, A. P. Chalcidoidea and Proctotrupoidea from Lord Howe and Norfolk Islands, with descriptions of new genera and species. Trans. R. Soc. S. Australia, Adelaide **48** 1924 pp. 162–186. [Hym.]

747.—Dodds, G. S. & **Hisaw,** F. L. Ecological studies of aquatic insects. Ecology, Brooklyn, **5** 1924 pp. 137–148, 262–271 ; **6** 1925 pp. 123–137, 380–390, 2 pls., 1 table, 16 figs.

748.—Dodero, A. Missione zoologica del Dr. E. Festa in Cirenaica. XIV. Coleotteri. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 23 31 pp.

749.—Dodge, E. A. Notes on the life-history of *Catocala whitneyi* (Dodge) (Lepid. : Noctuidae). Ent. News, Philadelphia **36** 1925 pp. 267–268.

750.—Dodonov, B. Eine neue *Pachyrhina*-Art (Dipt.) aus Persien. Konowia, Vienna **4** 1925 pp. 108–109.

Dolley, W. L. *see* Mast & Dolley.

751.—Donisthorpe, H. Coleoptera new to Britain. Trans. Ent. Soc. London **1924** 1925 p. lxxxvii.

752.—Donisthorpe, H. *Priobium eichhoffi* Seidl., a species of Coleoptera new to the British list. Ent. Mo. Mag., London **61** 1925 pp. 1–5.

753.—Donisthorpe, H. Myrmecophilous notes for 1924. Ent. Rec., London **37** 1925 pp. 3–7.

754.—Donisthorpe, H. *Elater rufipennis* Stephens, a distinct species. Ent. Rec., London **37** 1925 pp. 124–125 1 pl. [Col.]

755.—d'Orchymont, A. Contribution à l'étude des Hydrophilides. I–IV. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 63–77, 139–169, 261–295, 298–305. [Col.]

Dos Santos Hall, F. A. *see* Seabra & Dos Santos Hall.

756.—Dover, C. Dr. H. Brauns' observations on the hibernating habits and collection of certain South African carpenter-bees. Trans. Ent. Soc. London **1924** 1925 pp. xcvi–xcviii. [Hym.]

757.—Dover, C. Notes on some Indian bees in the British Museum. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 219–234. [Hym.]

758.—Dover, C. Des Abeilles des Indes-Britanniques dans le Musée d'Histoire naturelle à Vienne. Ann. nat.-hist. Mus., Vienna **38** 1925 pp. 118–120. [Hym.]

759.—Dover, C. Synonymie und neue Fundorte der Braconiden Indiens (Hym.). Ent. Mitt., Berlin **14** 1925 pp. 39–40.

760.—Dover, C. Further notes on the Indian Diplopterous wasps. J. Asiat. Soc. Bengal, Calcutta, N.S. **20** (1924) 1925 pp. 289–305, 9 figs. [Hym.]

Dover, C. *see* Maulik & Dover.

761.—Downes, W. The life-history of *Apateticus crocatus* Uhl. (Hemiptera). Proc. Ent. Soc. Br. Columbia, Victoria no. **16** (1920) 1921 pp. 21–27 1 pl.

762.—Draeseke, J. Die Schmetterlinge der Stötznerschen Ausbeute. (3. Fortsetzung.) D. ent. Zs. Iris, Dresden **39** 1925 pp. 48–57, 211–231. [Lep.]

763.—Drake, C. J. Concerning some Tingitidae from the Gulf States (Heteroptera). Florida Ent., Gainesville **9** 1925 pp. 36–39.

764.—Drake, C. J. A new genus and new species of Tingitidae from Madagascar (Homopt.). Ent. Mitt., Berlin **14** 1925 pp. 107–109 1 fig. [Hem.]

765.—Drake, C. J. & **Bruner,** S. C. Concerning some Tingitidae occurring in the West Indies. Mem. Soc. cubana Hist. nat., Havana **6** 1924 pp. 144–154 2 pls. [Hem.]

766.—Drake, C. J. & **Bruner,** S. C. Notes on some Tingitidae from Cuba. Mem. Soc. cubana Hist. nat., Havana **6** 1924 pp. 155–156. [Hem.]

767.—Drake, C. J. & **Hottes,** F. C. Five new species and a new variety of water striders from North America (Hemiptera-Gerridae). Proc. Biol. Soc. Washington **38** 1925 pp. 69–73.

768.—Drake, C. J. & **Hottes,** F. C. Four undescribed species of water-striders (Hemip.-Gerridae). Ohio J. Sci., Columbus **25** 1925 pp. 46–50.

769.—Draudt, M. *In* Seitz Grossschmett. Arctiidae **6** 1925 pp. 456–469; Noctuidae **7** 1925 pp. 93–204, 21 pls. [Lep.]

770.—Drenovski, A. K. Die Lepidopteren-Fauna der Zentral-Rhodopen in Bulgarien. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 1–5, 28–32, 39–44.

771.—Drenovski, A. K. Die vertikale Verteilung der Lepidopteren in den Hochgebirgen Bulgariens. D. ent. Zs., Berlin **1925** pp. 29–75, 97–125, 2 pls., 1 map.

772.—Dubois, E. & **Vitalis de Salvaza,** R. Lépidoptères indochinois (suite) 4e Fam. Satyridae; 5e Fam. Amathusiidae; 6e Fam. Nymphalidae. Faune ent. Indochine française, Saigon fasc. **8** 1924 pp. 27–47.

773.—Ducke, A. As Chrysididas do Brazil. Catal. Fauna brazileira. Mus. Paulista, São Paulo **4** 1913 31 pp. [Hym.]

774.—Ducke, A. O genero *Pterombrus* Sm. (Hymen.). Rev. Mus., São Paulo **9** 1914 pp. 107–122, 1 fig.

775.—Ducke, A. Emendas ao Catalogo das Chrysididas do Brasil. Rev. Mus., São Paulo **9** 1914 pp. 229–230. [Hym.]

776.—Ducke, A. Catalogo das Vespas sociaes do Brazil. Rev. Mus., São Paulo **10** 1918 pp. 314–374. [Hym.]

777.—Ducke, A. Die stachellosen Bienen (*Melipona*) Brasiliens. Nach morphologischen und ethologischen Merkmalen geordnet. Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 335–448, 2 pls., 27 figs. [Hym.]

777a.—Duda, O. Monographie der Sepsiden (Dipt.). I. Teil. Ann. nat.-hist. Mus., Vienna **39** 1925 pp. 1–153, 2 figs. 7 pls.

778.—Duda, O. Die aussereuropäischen Arten der Gattung *Leptocera* Olivier = *Limosina* Macquart (Dipteren) mit Berücksichtigung der europäischen Arten. Arch. Natg., Berlin **90** (1924) 1925 Abt. A. Heft 11 pp. 5–215, 4 pls.

779.—Dudich, E. Die verwandtschaftliche Verhältnisse der Phymatiden-Gattungen. [In Hungarian with German summary.] Math. Természett. Ért., Budapest **41** 1925 pp. 20–25. [Hem.]

780.—Dudich, E. Die ungarischen Fledermausfliegen. [In Hungarian with German summary.] Math. Természett. Ért., Budapest **41** 1925 pp. 144–151. [Dipt.]

781.—Dufrane, A. Noctuelles. Rev. mens. Soc. ent. Namur **25** 1925 pp. 30–33. [Lep.]

782.—Dumont, C. Note sur un Phycide (Lep.) nuisible aux cultures de Ricin. Bull. Soc. ent. France, Paris **1925** pp. 232–236.

783.—Dumont, C. Description de deux Lépidoptères nouveaux de France (Geometridae, Scythrididae). Encyc. ent. Sér. B. III. Lep. **1**, Paris **1925** pp. 29–34 3 figs.

784.—Dumont, C. Observations biologiques sur les *Hydroecia* françaises. Encyc. ent. Sér. B. III. Lep. **1**, Paris 1925 pp. 53–72 6 figs.

Du Puy, W. A. *see* Puy.

785.—Dürken, B. Die Färbungsvariation der Kohlweislingspuppen (*Pieris brassicae*) aus normaler Umgebung und nach Einwirkung farbigen Lichtes, in quantitativer Darstellung. Mem. pont. Acc. n. Linc., Rome (2) **7** 1924 pp. 251–274, 4 figs. [Lep.]

786.—Dürkopp, H. Fritbyggede Honningbireder i Danmark. [Open air nests of *Apis mellifera* in Denmark.] Tidsskrift for Biavl, Kjøbenhavn **58** 1924 pp. 24–26 3 figs.

787.—Durrant, J. H. The banana moth, *Hieroxestis subcervinella* Wkr. Ent. Mo. Mag., London **61** 1925 pp. 12–13. [Lep.]

788.—Dusmet y Alonso, J. M. Dos *Odynerus* y un *Gorytes* nuevos de Marruecos con una lista de Ápidos (Hymenopt.). Eos, Madrid **1** 1925 pp. 243–248.

789.—Dyar, H. G. Some new American moths (Lepidoptera). Insec. Insc. Menstr., Washington **13** 1925 pp. 1–19.

790.—Dyar, H. G. A new Sabethid from Panama (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 20–21.

791.—Dyar, H. G. Some new mosquitoes from Colombia, III. (Diptera, Culicidae). Insec. Inscit. Menstr. Washington **13** 1925 pp. 21–24.

792.—Dyar, H. G. Note on the occurrence of Tropical American *Mansonia* (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 24–25.

793.—Dyar, H. G. Note on bromelicolous *Anopheles* (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 25–27.

794.—Dyar, H. G. Some mosquitoes from Ecuador (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 27–31.

795.—Dyar, H. G. The subgenera of *Mansonia* Blanchard (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 40–43 1 pl.

796.—Dyar, H. G. A note on the larvae of the Dalceridae (Lepidoptera). Insec. Insc. Menstr., Washington **13** 1925 pp. 44–47.

797.—Dyar, H. G. The larva of *Heterocampa lunata* Edwards (Lepidoptera, Notodontidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 47–48.

798.—Dyar, H. G. The mosquitoes of Panama (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 101–195.

799.—Dyar, H. G. Some mosquitoes from Venezuela (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 213–216.

800.—Dyar, H. G. Note on the male of *Aëdes punctifemore* Ludlow (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 p. 217.

801.—Dyar, H. G. A new North American *Dixa* and note (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 217–218.

802.—Dyar, H. G. Note on the larva of *Sibine hyperoche* Dognin (Lepidoptera, Limacodidae). Insec. Insc. Menstr., Washington **13** 1925 p. 218.

803.—Dyar, H. G. A new corn and boll worm from Peru (Lepidoptera, Pyralidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 219–220.

804.—Dyar, H. G. Notes on some American Phycitinae (Lepidoptera, Pyralidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 220–226.

805.—Dyar, H. G. *Phoniomyia* and *Dendromyia* again (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 p. 226.

806.—Dyar, H. G. & **Shannon,** R. C. The types of Philippine mosquitoes described by Ludlow and other notes on the fauna (Diptera, Culicidae). Insec. Insc. Menstr., Washington **13** 1925 pp. 66–89.

807.—Dyar, H. G. & **Shannon,** R. C. New mosquitoes from Brazil (Diptera, Culicidae). J. Washington Acad. Sci. **15** 1925 pp. 39–41.

808.—Dyar, H. G. & **Shannon,** R. C. The mosquitoes of Peary's North Pole expedition of 1908 (Diptera, Culicidae). J. Washington Acad. Sci. **15** 1925 pp. 77–78.

809.—Dziurzynski, C. Melanismus und nigrismus bei *Zygaena* L. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 48–50. [Lep.]

810.—Eastham, L. Peristalsis in the Malpighian tubules of Diptera. Preliminary account: with a note on the elimination of calcium carbonate from the Malpighian tubules of *Drosophila funebris.* Q. J. Microsc. Sci., London **69** 1925 pp. 385–398, 1 pl., 3 figs.

811.—Ebert, H. Wie tötet man Zygaenen. Intern. ent. Zs., Guben **19** 1925 pp. 219–220. [Lep.]

812.—Ebner, R. Biologische Beobachtungen an *Pycnogaster bolivari* Br.-W. (Orthoptera). Zs. wiss. Zool., Leipzig **125** 1925 pp. 357–363, 4 figs.

813.—Ebner, R. Quelques notes au sujet de *Supella supellectilium* Serv. (Orthoptera, Blattidae). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 198–204 1 pl.

814.—Edwards, F. W. Diptera (Nematocera) from Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1924. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 354–356.

815.—Edwards, F. W. British fungus-gnats (Diptera, Mycetophilidae). With a revised generic classification of the family. Trans. Ent. Soc. London **1924** 1925 pp. 505–662, 13 pls.

816.—Edwards, F. W. Two new British Sciarinae (Diptera). Ent. Mo. Mag., London **61** 1925 pp. 223–225, fig.

817.—Edwards, F. W. *Sciara caudata* Walk., *Pezomyia vanderwulpi* de Meij. and other Diptera (two new to the British list) reared from a rotten willow log. Ent. Mo. Mag., London **61** 1925 p. 228. [Dipt.]

818.—Edwards, F. W. A midge attacking moths in Switzerland. Ent. Mo. Mag., London **61** 1925 p. 228. [Dipt.]

819.—Edwards, F. W. A synopsis of British Bibionidae and Scatopsidae (Diptera). Ann. App. Biol., Cambridge **12** 1925 pp. 263–275 2 figs.

820.—Edwards, F. W. Mosquito notes, V. Bull. Ent. Res., London **15** 1925 pp. 257–270. [Dipt.]

821.—Edwards, F. W. Mycetophilidae and Bibionidae (Diptera) in the Collections of the South African Museum. Ann. S. Afr. Mus., Capetown **19** 1925 pp. 601–616, 3 figs.

822.—Edwards, F. W. Fauna Buruana. Diptera, Fam. Culicidae. Treubia, Buitenzorg **7** 1925 p. 40.

823.—Edwards, F. W. Diptera Nematocera from the Dutch East Indies. Treubia, Buitenzorg **6** 1925 pp. 154–172 2 figs.

824.—Edwards, F. W. & **James,** S. P. British mosquitoes and their control. Br. Mus. (Nat. Hist.), London, Econ. Ser. **4a** 1925 27 pp. 4 figs. [Dipt.]

825.—Eecke, R. van. De Heterocera van Sumatra. I. Zool. Meded., Leyden **8** 1925 pp. 153–217 5 figs. 1 pl. [Lep.]

826.—Eecke, R. van. List of the Lepidoptera collected by Mr. W. C. van Heurn during an exploration expedition in Dutch North New Guinea. Nova Guinea, Leyden **15** 1924 pp. 33–56, 1 pl.

827.—Efflatoun, H. C. A monograph of Egyptian Diptera. Part II. Fam. Trypaneidae. Mem. Soc. R. ent. Egypte, Cairo **2** fasc. 2 1924 132 pp. 5 pls. 3 figs.

828.—Efflatoun, H. C. A new species of *Nemestrina* (Dipt., Nemestrinidae) from Egypt. Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 357–360 1 fig.

829.—Efflatoun, H. C. Descriptions of the larvae and pupae of *Schistopterum moebiusi* Beck. and *Terellia planiscutellata* Beck. (Diptera, Trypaneidae). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 62–74 2 pls.

830.—Eggers, F. Zur Kenntnis der antennalen stiftführenden Sinnesorgane der Insekten. Zs. Morph. Oekol. Tiere, Berlin **2** 1924 pp. 259–349, 38 figs.

831.—Eggers, F. Diopsiden aus Deutsch-Ostafrika. Mit einem Nachwort über die Stielaugen der Diopsiden. Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 469–500, 1 pl. 1 fig. [Dipt.]

832.—Ehinger, K. Neue Saturniiden-Hybriden. Zs. österr. Ent.-Ver., Vienna **6** 1921 pp. 12–13. [Lep.]

833.—Ehrmann, G. A. New North American Butterflies. Bull. Brooklyn Ent. Soc. **20** 1925 p. 84. [Lep.]

834.—Ehrmann, G. A. New species of exotic Papilionidae. Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 pp. 88–92. [Lep.]

835.—Eichler, W. Verzeichnis der in kleinasiatischen Sandschaks Trapezunt und Gümisch-chane in J. 1916–1917 gesammelten Coleopteren. V. Polsk. Pismo ent., Lemberg **4** 1925 pp. 29–33, 201–209.

836.—Eidam, P. Beitrag zur Kenntnis einiger Caraben (Col.). D. ent. Zs., Berlin **1925** pp. 333–334.

837.—Eidmann, H. Das Mitteilungsvermögen der Ameisen. Naturwissenschaften, Berlin **13** 1925 pp. 126–128. [Hym.]

838.—Eidmann, H. Vergleichend-anatomische Studien über die Pharynxmuskulatur der Insekten. Zool. Anz., Leipzig **62** 1925 pp. 49–64, 5 figs.

839.—Eidmann, H. Zur Kenntnis der Biologie von *Cetonia floricola* Hbst. Zool. Anz., Leipzig **65** 1925 pp. 21–28, 3 figs. [Col.]

840.—Eidmann, H. Beobachtungen über *Dioryctria splendidella* H.-Sch. Forstwiss. Centralbl., Berlin **47** pp. 98–108. [Lep.]

Eisentraut, M. *see* Haecker & Eisentraut.

841.—Ellis, W. O. Some Lepidopterous larvae resembling the European corn borer. J. Agric. Res., Washington **30** 1925 pp. 777–792 2 pls. [Lep.]

842.—Elston, A. H. Revision of the Australian Elateridae (Coleoptera)—Part I. Trans. R. Soc. S. Australia, Adelaide **48** 1924 pp. 196–208.

843.—Elton, C. S. The dispersal of insects to Spitsbergen. Trans. Ent. Soc. London **1925** pp. 289–299.

844.—Elton, C. S. Coleoptera and Lepidoptera from Spitsbergen. Results of the Oxford University Expedition to Spitsbergen, 1924. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 357–359.

845.—Eltringham, H. On the abdominal brushes in certain male Noctuid moths. Trans. Ent. Soc. London **1925** pp. 1–5 1 pl. [Lep.]

846.—Eltringham, H. On a new organ in certain Lepidoptera. Trans. Ent. Soc. London **1925** pp. 7–9 1 pl.

847.—Eltringham, H. On the source of the sphragidial fluid in *Parnassius apollo* (Lepidoptera). Trans. Ent. Soc. London **1925** pp. 11–14 1 pl.

848.—Eltringham, H. On the abdominal glands in *Heliconius* (Lepidoptera). Trans. Ent. Soc. London **1925** pp. 269–275 1 pl.

849.—Eltringham, H. On the structure of the ocelli in *Plusia gamma* (Lepidoptera). Trans. Ent. Soc. London **1925** pp. 277–279 1 pl.

850.—Emden, F. van. Zur Kenntnis der Eizähne der Arthropoden insbesondere der Coleopteren. Zs. wiss. zool., Leipzig **126** 1925 pp. 622–654 23 figs.

851.—Emelen, A. van. Um caso de symbiose entre a *Apis mellifera* e uma melliponida indigena a jaty. Rev. Mus., São Paulo **10** 1918 pp. 145–150. [Hym.]

852.—Emeljanowa, N. A. Einwirkung der Temperatur auf die secundäre Geschlechtscharaktere bei *Lymantria dispar* L. [In Russian with German summary.] Rev. zool. russe, Moscow **4** 1–2 1924 pp. 210–226, 18 figs. [Lep.]

853.—Emerson, A. E. The Termites of Kartabo, Bartica District, British Guiana. Zoologica, New York **6** 1925 pp. 291–459 1 pl. 94 figs. [Isopt.]

854.—Emery, C. Notes critiques de Myrmécologie. Ann. Soc. ent. Belg., Brussels **64** 1924 pp. 177–191 4 figs. [Hym.]

855.—Emery, C. Hymenoptera fam. Formicidae, subfam. Formicinae. Gen. Ins., Brussels fasc. 183 1925 pp. 1–302, 5 pls. [Hym.]

856.—Emery, C. Revision des espèces paléarctiques du genre *Tapinoma*. Rev. suisse Zool., Geneva **32** 1925 pp. 45–64, 14 figs. [Hym.]

857.—Emery, C. Les espèces européennes et orientales du genre *Bothriomyrmex*. Bull. Soc. vaud. Sci. nat., Lausanne **56** 1925 pp. 5–22 1 pl. [Hym.]

Encobet, J. A. *see* Arias Encobet, J.

858.—Enderlein, G. Die Simuliiden Bulgariens und ihre Schäden im Jahre 1923. Zool. Anz., Leipzig **61** 1924 pp. 280–288. [Dipt.]

859.—Enderlein, G. Zur Klassifikation der Tabaniden. Eine Berichtigung. Zool. Anz., Leipzig **62** 1925 p. 180. [Dipt.]

860.—Enderlein, G. Weitere Beiträge zur Kenntnis der Simuliiden und ihrer Verbreitung. Zool. Anz., Leipzig **62** 1925 pp. 201–211. [Dipt.]

861.—Enderlein, G. Studien an blutsaugenden Insekten. I. Grundlagen eines neuen Systems der Tabaniden. Mitt. zool. Mus. Berlin, **11** 1925 pp. 253–409 5 figs. [Dipt.]

862.—Enderlein, G. Druckfehler-Berichtigung zu "Beiträge zur Kenntnis der Platystominen in Bd. 11." Mitt. zool. Mus. Berlin **11** 1925 p. 409. [Dipt.]

863.—Enderlein, G. Beiträge zur Kenntnis der Copeognathen IX. Konowia, Vienna **4** 1925 pp. 97–108 1 fig. [Psocopt.]

864.—Engel, E. O. Die afrikanische Asilidengattung *Gonioscelis* Schin. (Dipt.). Mitt. zool. Mus. Berlin **12** 1925 pp. 159–176 8 figs.

865.—Engel, E. O. Asilidae. *In* Lindner, Die Fliegen der palaearktischen Region, Stuttgart **24** 1925 pp. 1–8, 7 figs. [Dipt.]

866.—Engel, E. O. Über Rutiliidae sensu lat. (Dipt.). Zool. Jahrb., Jena Abt. f. Syst. **50** 1925 pp. 339–376, 18 figs.

867.—Engel, E. O. Neue paläarktische Asiliden (Dipt.). Konowia, Vienna **4** 1925 pp. 189–194 1 fig.

868.—Engel, E. O. Some new South African *Sarcophaga* (Dipt.). Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 314–342 15 figs.

869.—Engel, E. O. Egyptian Asilidae (Dipt.) collected by H. C. Efflatoun Bey. Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 345–355 5 figs. ; **1925** pp. 139–144 1 fig.

870.—Engelhardt, G. P. Studies of North American Aegeriidae (Lepidoptera). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 61–69 153–158.

871.—Enslin, E. Tenthredinidae [from the Arctic Ural, 1909]. [In German.] Mém. Acad. Sci. Russie, Petrograd Cl. phys.-math. (8) **28** no. 14 1919 10 pp. [Hym.]

872.—Enslin, E. Beiträge zur Kenntnis der Hymenopteren IV. D. ent. Zs., Berlin **1925** pp. 177–210, 12 figs.

873.—Ephrussi, B. Sur le chondriome ovarien des *Drosophila melanogaster* et *simulans*. C.R. Soc. Biol., Paris **92** 1925 pp. 778–780. [Dipt.]

874.—Erfurth, P. Anormale Geäder. Zs. österr. Ent.-Ver., Vienna **8** 1923 pp. 49–50. [Lep.]

875.—Erfurth, P. Zwei für Nieder-Österreich neue Micra-Formen. Zs. österr. Ent.-Ver., Vienna **9** 1924 pp. 49–52. [Lep.]

876.—Esaki, T. Addition to the knowledge of butterflies of Saghalin. Dobuts. Z. [Zool. Mag.], Tokyo **35** 1923 pp. 388–391. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (133).) [Lep.]

877.—Esaki, T. New or little-known water-striders from the Oriental region. Phil. J. Sci., Manila **26** 1925 pp. 57–65 2 pls. [Hem.]

878.—Esaki, T. A new species of *Notonecta* from the Far East (Hemiptera, Notonectidae). Not. ent., Helsingfors **5** 1925 pp. 13–15 1 fig.

879.—Esaki, T. Einige Beispiele von anormaler Fühlerbildung bei Wanzen (Hemiptera-Heteroptera). Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 32–35 6 figs.

880.—Esaki, T. Ueber die Mimese der *Kallima*-Arten (Lepidoptera, Nymphalidae). Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 110–113.

881.—Esaki, T. Einige Wasser-Hemipteren aus Tsingtau (Nord China). Ent. Mitt., Berlin **14** 1925 pp. 312–314 2 figs.

882.—Esben-Petersen, [P.] Ephemerida [from the Arctic Ural, 1909]. Mém. Acad. imp. Sci., Petrograd Cl. phys.-math. (8) **28** no. 12 1916 12 pp. 18 figs.

883.—Esben-Petersen, P. Bidrag til en Fortegnelse over Danmarks Ichneumonider (Snyltehvespe). II. Afh. & Medd. Flora og Fauna, Copenhagen **1924** pp. 97–108. [Hym.]

884.—Esben-Petersen, P. Notes concerning *Boriomyia betulina* Strøm. Norsk ent. Tidsskr., Oslo **2** (1924) 1925 p. 54. [Neur.]

885.—Esben-Petersen, P. Notizen zur Neuropterenfauna Dalmatiens. Konowia, Vienna **4** 1925 pp. 66–68. [Neur.]

886.—Esben-Petersen, P. New and little-known species of Neuroptera in British collections. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 334–341, 1 pl. 2 figs.

887.—Escalera, M. M. de la. Especies del género *Triplax* Payk. (Col. Erotyl.) de la Península Ibérica y Marruecos. Eos, Madrid **1** 1925 pp. 239–242 1 pl.

888.—Escalera, M. M. de la. Especies nuevas de coleoptèros del Mediano Atlas marrogin. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 311–316 fig.

889.—Escalera, M. M. de la. Varios Tenebrionidos y un Curculionido nuevas de Marruecos. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 324–337. [Col.]

890.—Escalera, M. M. de la. Noticia biologica sobre *Lymantria dispar*. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 337–340. [Lep.]

891.—Escalera, M. M. de la. Especies de *Pachychila* y otros Tenebriónidos nuevos de Marruecos. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 372–380. [Col.]

892.—Escalera, M. M. de la. Especies nuevas y variedades de *Asida* de Baleares (Col. Tenebr.). Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 404–410.

893.—Escalera, M. M. de la. Especies nuevas de Lamelicornios de Marruecos. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 422–436. [Col.]

894.—Escalera, M. M. de la. Tenebriónidos y Meloidos del Mediano Atlas. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 498–505. [Col.]

895.—Escomel, E. Un nuevo *Pseudomeloe* del Perú. An. Zool. aplic., Santiago **4** 1917 pp. 41–44. [Col.]

896.—Evans, A. M. Notes on Culicidae collected in Sierra Leone, with descriptions of a new species and a new variety. Ann. Trop. Med. & Parasit., Liverpool **19** 1925 pp. 119–124 1 pl. [Dipt.]

897.—Evans, A. M. A new variety of *Anopheles marshalli* Theobald from the Belgian Congo. Ann. Trop. Med. & Parasit., Liverpool **19** 1925 pp. 211–213 2 figs. [Dipt.]

898.—Evans, A. M. A new variety of *Anopheles marshalli* from Sierra Leone. Ann. Trop. Med. & Parasit., Liverpool **19** 1925 pp. 461–462 1 pl. [Dipt.]

899.—Evans, W. H. The identification of Indian butterflies. VI–VII. J. Bombay Nat. Hist. Soc. **30** 1925 pp. 322–351, 610–639 3 pls. [Lep.]

900.—Evenius, J. Die Entwicklung des zwischendarms der Honigbiene (*Apis mellifica* L.). Zool. Anz., Leipzig **63** 1925 pp. 49–64, 7 figs. [Hym.]

901.—Evenius, J. & C. Kryptenzellen und Epithelregeneration im Mitteldarm der Honigbiene (*Apis mellifica* L.). Zool. Anz., Leipzig **62** 1925 pp. 250–256, 2 figs. [Hym.]

902.—Everts, E. Coleoptera Neerlandica. Nieuwe Naamlijst der in Nederland en het omliggend Gebied voorkommende Schildvleugelige Insekten. Zutphen 1925 pp. 1–140. [Not seen.]

903.—Everts, E. Nieuwe vondsten voor de Nederlandsche Coleopterenfauna, XLIII. Ent. Ber., The Hague **6** 1925 pp. 371–380.

904.—Ewing, H. E. Notes on the Siphonapteran genus *Doratopsylla* Jordan & Rothschild together with a description of a new genus and species of fleas. J. Parasit., Urbana **12** 1925 pp. 43–46.

905.—Ewing, H. E. The factors of inheritance and parentage as affecting the ratio of alate to apterous individuals in Aphids. Amer. Nat., New York **59** 1925 pp. 311–326. [Hom.]

906.—Ext, W. ,Beiträge zur Kenntnis des Rapsglanzkäfers, *Meligethes aeneus* Fabr., Arch. Natg., Berlin **86** (1920), 1921 Abt. A, Heft 9 pp. 22–61, 1 pl., 36 figs. [Col.]

907.—Eyer, J. R. A comparison of the male genitalia of the Palaeosetidae with those of other Lepidoptera Homoneura. Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 267–271 figs. [Lep.]

908.—Eyer, J. R. and **Turner,** A. J. The Australian species of *Oncopera* (Hepialidae, Lepidoptera). Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 272–274, 1 pl.

909.—Fahringer, J. Beiträge zur Hymenopterenfauna Dalmatiens, Montenegros und Albaniens. III. Teil: Braconidae, Aphidiidae und Serphidae. Ann. Nat. Hist. Mus., Vienna **38** 1925 pp. 98–105.

910.—Fahringer, J. Opuscula braconologica, Vienna **1** 1925 Lief. 1 pp. 1–60, 1 pl. 3 figs. (Contg.) [Hym.]

911.—Falconer, W. Plant galls from S.W. Lancashire. Lancs. Ches. Nat., Darwen **17** 1925 pp. 168–176.

912.—Falcoz, L. Diptères pupipares du Muséum National d'Histoire naturelle de Paris (Streblidae et Nycteribiidae). Bull. Mus. Hist. nat. Paris **1924** pp. 223–230, 309–315, 386–389, 14 figs. [Dipt.]

913.—Falcoz, L. Description d'un *Cryptophagus* nouveau d'Espagne (Col. Cryptophagidae). Bull. Soc. ent. France, Paris **1925** pp. 252–253.

914.—Falcoz, L. Études sur les Cryptophaginae (Coléoptères Erotyides). III & IV. Ann. Soc. linn. Lyon **70** 1924 pp. 141–152; **71** (1924) 1925 pp. 120–127, 9 figs.

915.—Fall, H. C. New species of *Apion* and *Apteromechus*. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 85–88. [Col.]

916.—Fall, H. C. New species of Coleoptera or recent discovery. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 180–183.

917.—Fall, H. C. New species of *Helmis* (Coleoptera). J. New York Ent. Soc. **33** 1925 pp. 177–181.

918.—Fall, H. C. New Coleoptera, XI. Canad. Ent., Orillia **57** 1925 pp. 309–312.

919.—Farmiloe, C. The ailanthus silkworm. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 120–123. [Lep.]

920.—Farren, W. The Lepidoptera of Cambridgeshire. Nat. Hist. Wicken Fen, Cambridge **1** 1 1923 pp. 53–64.

921.—Fassnidge, W. List of the Macrolepidoptera of Hampshire and the Isle of Wight (including Pyrales, Crambi and Pterophorina). Ent. Rec., London **37** 1925 sep. pag. pp. (41)–(42). [Concl.]

922.—Faure, J. C. Note sur l'*Anarsia lineatella* Zell. et ses parasites dans la région de Lyon en 1924. Rev. Zool. agric. & appl., Bordeaux **23** 1924 pp. 279–288 4 figs. [Lep., Hym.]

923.—**Faure, J. C ,& Zolotarewsky,** B. Contribution à l'étude biolgique de *Dibrachys boucheanus* Ratz. Rev. Path. vég. & Ent. agric., Paris **12** 1925 pp. 144–161. [Hym.]

Faure, J. C. *see* Ferrière & Faure.

924.—[**Favr,** V. V.] Фавръ, В. В. Опытъ изученія малярiи въ Россiи въ санитарномъ отношеніи. [An attempt to study malaria in Russia in its sanitary aspect.] Kharkov 1903, 344 pp., 1 map. [Dipt.]

Federighi, H. *see* Crozier & Federighi.

925.—**Fejfer,** F. Nowe chrzaszcze (Coleoptera) dla Ziem polskich. (Les Coléoptères nouveaux pour la Pologne.) Kosmos, Lemberg **49** 1924 pp. 135–143.

926.—**Felt,** E. P. Key to gall midges (A résumé of studies I–VII, Itonididae). New York State Mus., Albany Bull. **257** 1925 239 pp. 8 pls. 57 figs. [Dipt.]

927.—**Felt,** E. P. New gall midges. J. Ent. & Zool., Claremont, Cal. **17** 1925 p. 15. [Dipt.]

928.—**Felt,** E. P. Dispersal of Butterflies and other insects. Nature, London **116** 1925 pp. 365–368.

929.—**Ferrière,** C. & **Faure,** J. C. Contribution à l'étude des Chalcidiens parasites de l'*Apanteles glomeratus* L. Ann. Epiphyties, Paris **11** 1925 pp. 221–234 5 figs. [Hym.]

930.—**Ferris,** G. F. Observations on the Chermidae (Hemiptera; Homoptera). Part II. Canad. Ent., Orillia **57** 1925 pp. 46–50 3 figs.

931.—**Ferris,** G. F. Notes on Coccidae XI. (Hemiptera). Canad. Ent., Orillia **57** 1925 pp. 228–234 4 figs.

932.—**Ferris,** G. F. The generic types of the Diaspidae (Hemiptera).—Introduction. Bull. Ent. Res., London **16** 1925 pp. 163–167 2 pls.

933.—**Ferris,** G. F. Third and fourth report upon Diptera pupipara from the Philippine Islands. Phil. J. Sci., Manila **27** 1925 pp. 413–420 5 figs.; **28** pp. 329–339 5 figs.

934.—**Feuerborn,** H. J. Das Problem der segmentalen Gliederung des Insekten Thorax. 3–6. Zool. Anz., Leipzig **62** 1925 pp. 1–26, 2 figs.; **63** 1925 pp. 169–182, 273–292; **64** 1925 pp. 29–50 11 figs.

935.—**Feytaud,** J. A propos du Termite des Charentes. Proc.-verb. Soc. linn. Bordeaux **76** 1924 pp. 69–72. [Isop.]

936.—**Feytaud,** J. Existe-t-il plusieurs races de *Reticulitermes lucifugus* Rossi? Rev. Zool. agric & appl., Bordeaux **24** 1925 pp. 161–169 4 figs. [Isop.]

937.—[**Filipjev,** N.] Филипьев, Н. Microheterocera Минусинского края [Microheterocera of the Minussinsk district]. Ежегодник Гос. Муз. им. Н. М. Мартьянова г. Минусинске [Jahrb. Martijanov. Staatsmus. Minussinsk] **2** no. 3 1924 pp. 1–61. [Lep.]

938.—**Filipjev,** N. N. Lepidopterologische Notizen. [With Russian summary.] Rev. russe Ent., Leningrad **19** 1925 pp. 47–52 4 figs.

939.—**Filipjev,** N. *Scoparia ulmella* Knaggs in Russland und Finland. Not. ent., Helsingfors **5** 1925 pp. 9–13 8 figs. [Lep.]

940.—**Filipjev,** N. & **Djakonov,** A. Einige Bemerkungen über die Gattung *Talis* Guenée, nebst Beschreibung zweier neuer Arten. Ann. Mus. zool. Acad. Sci., Leningrad **25** 1924 pp. 143–151 2 pls. [Lep.]

941.—**Findal,** J. K. Østjydske Vandløb. [East Jutland Waterways.] Flora og Fauna, Copenhagen **1924** pp. 114–128, 5 figs.

942.—**Fingerling,** M. Die Puppen der Macrolepidopteren. Ent. Jahrb., Leipzig **3** 1894 pp. 152–166.

943.—**Fink,** D. F. Metabolism during embryonic and metamorphic development of insects. J. Gen. Physiol., Baltimore **7** 1925 pp. 527–543 1 pl. 18 figs.

944.—**Fink,** D. F. Physiological studies on hibernation in the potato beetle, *Leptinotarsa decemlineata* Say. Biol. Bull., Wood's Hole, Mass. **49** 1925 pp. 381–406, 13 figs. [Col.]

945.—**Fischer,** E. Ein fortpflanzungsfähiger Artbastard. *Celerio euphaës* Dso. (Lepidopt.). Ent. Zs., Frankfort on M. **39** 1925 pp. 57–58, 61–63.

946.—**Fischer,** E. Ueber alte und neue *Pieris brassicae* Formen. Intern. ent. Zs., Guben **19** 1925 pp. 65–68. [Lep.]

947.—**Fisher,** W. S. A revision of the West Indian Coleoptera of the family Buprestidae. Proc. U.S. Nat Mus., Washington **65** 1925 art. 9 no. 2522 pp. 1–207.

948.—**Fisher,** W. S. Buprestid beetles collected by the Mulford Biological Exploration in Bolivia. Proc. U.S. Nat. Mus., Washington **66** 1925 art. 31 no. 2568 pp. 1–46. [Col.]

949.—**Fisher,** W. S. Buprestid beetles from the Maritime province of Siberia. Proc. U.S. Nat. Mus., Washington **68** 1925 art. 7 no. 2608 pp. 1–8. [Col.]

950.—**Fisher,** W. S. Two new Mexican Cerambycidae (Coleoptera). Proc. Ent. Soc. Washington **27** 1925 pp. 15–16.

951.—**Fisher,** W. S. A. new species of *Leptostylus* from the United States (Coleoptera: Cerambycidae). Proc. Ent. Soc. Washington **27** 1925 pp. 103–105.

952.—**Fisher,** W. S. A change of name in Buprestidae (Coleoptera). Proc. Ent. Soc. Washington **27** 1925 p. 144.

953.—**Fisher,** W. S. New West Indian Cerambycidae (Coleoptera). Subfamily Lamiinae. Amer. Mus. Novit., New York no. **174** 1925 pp 1–16.

954.—**Fisher,** W. S. A new species of *Sambus* from Manila (Coleoptera: Buprestidae). Philipp. J. Sci., Manila **28** 1925 pp. 45–46.

955.—**Fisher,** W. S. New Malaysian Cerambycidae: subfamily Lamiinae. Philipp. J. Sci., Manila **28** 1925 pp. 205–275. [Col.]

956.—**Fletcher,** T. B. Catalogue of Indian Insects. Part 7, Lasiocampidae. Part 8, Amatidae (Syntomidae). Part 9, Zygaenidae. Govt. India Central Publ. Branch, Calcutta 1925 29 pp., 35 pp., 92 pp. resp. [Lep.]

957.—**Fletcher,** T. B. List of publications on Indian entomology 1923. Bull. **155** 1924 59 pp. List of publications on Indian entomology 1924. Agric. Res. Inst., Pusa. Bull. **161** Calcutta 1925 41 pp.

958.—**Fletcher,** T. B. Migration as a factor in pest-outbreaks. Bull. Ent. Res., London **16** 1925 pp. 177–181.

959.—**Fleury,** P. de. Etude biologique sur *Anaphe ambrisia* (Btlr). (?) de la Guinée française et examen technique de sa soie. Ann. Soc. ent. France, Paris **94** 1925 pp. 405–420. [Lep.]

960.—**Fleury,** P. de. Description d'un Lépidoptère nouveau de la famille des Saturnidae originaire de la Guinée française. Bull. Soc. ent. France, Paris **1925** pp. 29–31 1 fig.

961.—**Fleury,** P. de. Notes sur les premiers états de quelques Lépidoptères de la Guinée française. Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 pp. 41–48 6 figs.

962.—**Fleutiaux,** E. Description d'un *Heteroderes* nouveau de l'île Maurice (Col. Elateridae). Ann. Soc. ent. France, Paris **94** 1925 p. 440.

963.—**Fleutiaux,** E. Descriptions de deux genres nouveaux d'Elateridae. Bull. Soc. ent. France, Paris **1925** pp. 101–103. [Col.]

964.—**Fleutiaux,** E. Description d'un Melasidae nouveau de la Chine orientale. Bull. Soc. ent. France, Paris **1925** pp. 177–178. [Col.]

965.—**Fleutiaux,** E. Elateridae nouveaux récoltés au Tonkin par le Père A. de Cooman (1re et 2e note). Bull. Soc.ent. France, Paris **1925** pp. 184–186, 278–281 3 figs. [Col.]

966.—**Fleutiaux,** E. Note sur les genres *Adelocera* et *Lacon.* Bull. Soc. ent. France, Paris **1925** pp. 205–207. [Col.]

967.—**Fleutiaux,** E. Melasidae nouveaux de la collection du Muséum National d'Histoire naturelle de Paris. Bull. Mus. Hist. nat. Paris **1925** pp. 178–179 1 fig., 248–251, 313–316. [Col.]

968.—**Fleutiaux,** E. Les Melasidae de la collection du Musée du Congo Belge. Rev. zool. afr., Brussels **13** 1925 pp. 60–68. [Col.]

969.—**Fleutiaux,** E. Coléoptères serricornes Fam. Melasidae, Elateridae. Faune ent. Indochine française, Saigon fasc. **7** 1924 pp. 7–184.

970.—**Fleutiaux,** E. Deux Melasidae nouveaux des Philippines. Phil. J. Sci., Manila **28** 1925 pp. 277–278. [Col.]

971.—Florence, L. The hog louse, *Haematopinus suis* Linné: its biology, anatomy and histology. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **51** 1921 pp. 641–725 9 pls. [Anoplura.]

972.—Foà, A. & **Romeo,** A. La variabilità nelle uova del baco da seta studiata in rapporto alla produzione del sesso. Ann. Scuola sup. Agric. Portici (2) **20** 1925 23 pp. [Lep.]

973.—Forbes, W. T. M. The hypothetical wing of the Hymenoptera. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 22–28 2 pls.

974.—Forbes, W. T. M. Pectinate antennae in the Geometridae (Lepidoptera). Psyche, Boston **32** 1925 pp. 106–112.

975.—Forbes, W. T. M. The second abdominal pleurite in the higher Coleoptera. Psyche, Boston **32** 1925 pp. 290–292 1 fig.

976.—Formánek, R. Neue Curculioniden des paläarktischen Gebietes. Wiener ent. Ztg., Vienna **42** 1925 pp. 18–28. [Col.]

977.—Forsius, R. Zur Kenntniss einiger Blattwespen und Blattwespenlarven. Medd. Soc. Faun. Fl. fenn., Helsingfors **45** pp. 106–115 1920; **46** 1921 pp. 25–32. [Hym.]

978.—Forsius, R. Kleinere Beiträge zur Kenntnis der Tenthredinoiden-Eier I. Medd. Soc. Faun. Fl. fenn., Helsingfors **45** 1921 pp. 169–184 31 figs. [Hym.]

979.—Forsius, R. Kleinere Mitteilungen über Tenthredinoiden I & II. Medd. Soc. Faun. Fl. fenn., Helsingfors **45** 1920 pp. 165–169; **46** 1921 pp. 87–91. [Hym.]

980.—Forsius, R. Cecidologische Beiträge. Medd. Soc. Faun. Fl. fenn., Helsingfors **47** 1921 pp. 51–55. [Hym.]

981.—Forsius, R. Ueber einige Cleptiden und Chrysiden (Hym.). Medd. Soc. Faun. Fl. fenn., Helsingfors **48** (1921–1922) 1925 pp. 182–186.

982.—Forsius, R. Ueber einige durch Zucht erhaltene Schlupfwespen, aus Finnland. Medd. Soc. Faun. Fl. fenn., Helsingfors **49** (1922–1923) 1925 pp. 62–70. [Hym.]

983.—Forsius, R. J. B. Corporaal's Tenthredinoiden-Ausbeute aus Sumatra. Not. ent., Helsingfors **5** 1925 pp. 84–97. [Hym.]

984.—Forsius, R. Kleinere Mitteilungen über Tenthredinoiden IV. Not. ent., Helsingfors **5** 1925 pp. 107–111. [Hym.]

985.—Fountaine, M. E. Amongst the Rhopalocera of the Philippines. Entomologist, London **58** 1925 pp. 235–239, 263–265. [Lep.]

986.—Fouts, R. M. New Serphoid parasites from the United States (Hymenoptera). Proc Ent. Soc. Washington **27** 1925 pp. 93–103.

987.—Fouts, R. M. New Serphoid parasites from North and South America (Hymenoptera). Proc. Ent. Soc. Washington **27** 1925 pp. 147–152.

988.—Fouts, R. M. Descriptions of three new Hymenoptera from the Philippine Islands. Phil. J. Sci., Manila **26** 1925 pp. 515–518 2 figs.

989.—Fox, C. Insects and diseases of man. London & Philadelphia 1925 vi + 349 pp. 92 figs.

990.—Fox, C. A new genus of the Siphonaptera. Ent. News, Philadelphia **36** 1925 p. 121.

991.—Fox, H. Notes from a study of *Nepticula pomivorella*, Packard. 55th Ann. Rept. Ent. Soc. Ontario **1924**, Toronto 1925 pp. 67–70 2 figs. [Lep.]

992.—França, C. Notes parasitologiques. J. Sci. mat. fis. e nat., Lisbon (3) no. **17** 1924 separate 12 pp. [Dipt.]

993.—Fraser, F. C. The Odonate fauna of the Palni and Nilgiri Hills. Rept. Proc. 5th Ent. Meeting Pusa, **1923** Calcutta 1924 pp. 365–368.

994.—Fraser, F. C. Report on a collection of Dragonflies (Odonata) from the Andaman Islands. Rec. Ind. Mus., Calcutta **26** 1924 pp. 409–413 1 pl.

995.—Fraser, F. C. A survey of the Odonate (dragonfly) fauna of western India with special remarks on the genera *Macromia* and *Idionyx* and descriptions of thirty new species. Rec. Ind. Mus., Calcutta **26** 1924 pp. 423–522 3 pls. 8 figs.

996.—Fraser, F. C. A preliminary report on the dragonflies (Order Odonata) of Samoa. Trans. Ent. Soc. London **1924** 1925 pp. 429–438, 3 figs.

997.—Fraser, F. C. Indian dragonflies. XX–XXI. J. Bombay Nat. Hist. Soc. **30** 1925 pp. 397–405, 657–663 2 pls. 3 figs. [Odon.]

998.—Fresca, A. G. Estudio del aparato copulador en *Degeeriella* (Malloph. Philopt.). Eos, Madrid **1** 1925 pp. 283–290 11 figs.

999.—Frey, R. Diptera Brachycera aus den arktischen Kustengegenden Sibiriens. Mém. Acad. Sci. Russie, Petrograd Cl. phys.-math. (8) **29** no. 10 1915 35 pp. 1 pl.

1000.—Frey, R. Philippinische Dipteren. II. Fam. Dolichopodidae. Not. ent., Helsingfors **5** 1925 pp. 15–17.

1001.—Frey, R. Bidrag till Finlands Cecidomyiid-fauna. Medd. Soc. Fauna Fl. fenn., Helsingfors **49** (1922–1923) 1925 pp. 210–212. (German summary p. 227.) [Dipt.]

1002.—Frey, R. Zur Systematik der paläarktischen Psiliden (Dipt.). [Zur Systematik der Diptera Haplostomata. I.] Not. ent., Helsingfors **5** 1925 pp. 47–50.

1003.—Frey, R. Zur Systematik der Diptera Haplostomata. II. Fam. Sepsidae. Not. ent., Helsingfors **5** 1925 pp. 69–76.

1004.—Frey, R. Namensänderung von *Condylostylus beckeri* Frey (Dipt., Dolichopodidae). Not. ent., Helsingfors **5** 1925 p. 77.

1005.—Friese, H. Wespen und Bienen. Mém. Acad. Sci. Russie, Petrograd Cl. phys.-math. (8) **28** no. 15 1919 2 pp. [Hym.]

1005a.—Friese, H. Ueber auffallende Hummelformen (Hym. Apid.). D. ent. Zs., Berlin **1924** pp. 437–439.

1006.—Friese, H. IV. Nachtrag zu "Bienen Afrikas." Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 501–512, 1 fig. [Hym.]

1007.—Friese, H. Die Urbienengattung *Polyglossa* Fr. in Südafrika. Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 513–519. [Hym.]

1008.—Friese, H. Die Seidenbienen des tropischen Afrika (*Colletes* Latr. Hym.). Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 520–529.

1009.—Friese, H. Die *Sphecodes*-Arten des tropischen Afrika. Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 530–533. [Hym.]

1010.—Friese, H. Über die Urbienengattung *Temnosoma* Sm. Zool. Jahrb., Jena Abt. f. Syst. **49** 1925 pp. 534–536. [Hym.]

1011.—Friese, H. Neue Formen von Schmarotzerbienen, besonders aus dem paläarktischen Gebiet. Konowia, Vienna **4** 1925 pp. 27–42. [Hym.]

1012.—Frings, C. F. *Epicnaptera ilicifolia* L. vom Hohen Venn. Soc. ent., Stuttgart **40** 1925 pp. 9–10. [Lep.]

1013.—Frison, T. H. Contribution to the classification of the Bremidae (bumble-bees) of Central and South America. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 137–164 2 pls. [Hym.]

1014.—Frison, T. H. The Bumblebees of the Philippine Islands (Bremidae: Hymenoptera). Phil. J. Sci., Manila **27** 1925 pp. 113–121 1 pl.

1015.—Frohawk, F. W. The scarcity and disappearance of butterflies. Entomologist, London **58** 1925 pp. 145–147.

1016.—Frost, S. W. Frogs as insect collectors. J. New York Ent. Soc. **32** 1924 pp. 174–185, 1 pl.

1017.—Frost, S. W. A study of the leaf-mining Diptera of North America. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **78** 1924 228 pp. 14 pls. 2 figs. 24 tables.

1018.—Frost, S. W. The leaf-mining habit in the Hymenoptera. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 399–414 2 pls.

1019.—Frost, S. W. Convergent development in leaf-mining insects. Ent. News, Philadelphia **36** 1925 pp. 299–305.

1020.—Fruhstorfer, H. Tessiner Wanderbilder: iii. Der Monte Salvatore. (Mit orthopterologischen, malacologischen und herpetologischen Mitteilungen). Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 9 pp. 104–113.

1021.—Fryer, J. C. F. Protection of British Butterflies. Entomologist, London **58** 1925 pp. 12–15.

1022.—Fudakowski, J. Beitrag zur Kenntnis der Odonaten-Fauna von Süd-West-Polen. Polsk. Pismo ent., Lemberg **3** 1925 pp. 127–131.

1023.—Fuente y Morales, J. M. de la. Catálogo sistemático-geográfico de los Coleópteros observados en la peninsula ibérica, Pirineos propiamente dichos y Baleares. Bol. Soc. ent. España, Saragossa **8** 1925 pp. 22–25, 41–56, 65–80, 89–104, 106–121.

1024.—Fuente y Morales, J. M. de la. Enumeración de las especies zoológicas que hansido descritas por primera vez, o se describen ahora, sobre ejemplares procedentes de la provincia de Ciudad-Real, Segundo suplemento. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 516–518.

1025.—Fuller, C. The thorax and abdomen of winged Termites with special reference to the sclerites and muscles of the thorax. Union S. Africa Dept. Agric., Pretoria Ent. Mem. **2** 1924 pp. 49–78 3 pls. 17 figs. [Isop.]

1026.—Fulton, B. B. Physiological variation in the snowy tree-cricket *Oecanthus niveus* de Geer. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 363–383 6 figs. [Orth.]

Furrow, E. Y. *see* Richards & Furrow.

1027.—Furubata, Y. List of butterflies in the Central Mountain Region of Formosa. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 262–266 [In Japanese]. (Abstract in Jap. J. Zool., Tokyo **1** 1924 p. (108).) [Lep.]

Gabriel, A. G. *see* Riley & Gabriel.

1028.—Gadeau de Kerville, H. Expériences sur la régénération homomorphe d'antennes de *Tenebrio molitor* L. (Col.) et la régénération homomorphe et hétéromorphe d'antennes de *Carausius morosus* Br. (Orth.). Bull. Soc. ent. France, Paris **1925** pp. 75–79 3 figs.

1029.—Gadeau de Kerville, H. Conséquences de la décapitation de chenilles de *Vanessa urticae* L. et de *Sericaria mori* L. au moment de la nymphose. Bull. Soc. ent. France, Paris **1925** pp. 79–80. [Lep.]

1030.—Gaede, M. Arctiiden-Studien (Lep.). Neue und wenig bekannte Arctiiden des Zoologischen Museums Berlin. Mitt. zool. Mus. Berlin **11** 1925 pp. 233–251.

1031.—Gahan, A. B. A second lot of parasitic Hymenoptera from the Philippines. Phil. J. Sci., Manila **27** 1925 pp. 83–109 1 pl.

1032.—Gahan, A. B. A new Encyrtid parasitic in the eggs of *Moneilema* (Hymenoptera: Chalcidoidea). Proc. Ent. Soc. Washington **27** 1925 pp. 167–168.

1033.—Gahan, A. B. Interesting records of two little-known parasitic Hymenoptera. Proc. Ent. Soc. Washington **27** 1925 p. 188.

1034.—Gambier, Mme. Recherches sur quelques cécidies florales. Marcellia, Avellino **21** (1924) 1925 pp. 10–30, 57 figs. [Dipt.]

1035.—García, P. I. Ligeros apuntes sobre la biología del Gusano Rosado del Algodon. Bol. Dirección Estud. biol. Mexico **3** 1925 pp. 1–11. [Lep.]

1036.—Gardner, J. C. M. Description of (*a*) the larva of *Cerobates tristriatus* Lund, (*b*) the larva of *Cerobates sexsulcatus* Motsch., (*c*) the pupa of *Cyphagogus corporaali* Kleine. Indian Forest Rec., Calcutta **11** 1925 pp. 189–194 1 pl. [Col.]

1037.—Gardner, J. C. M. Identification of immature stages of Indian Cerambycidae. I. Cerambycini. Ind. Forest Rec., Calcutta **12** 1925 pp. 89–105 3 pls. [Col.]

1038.—Gasow, H. Der grüne Eichenwickler (*Tortrix viridana* Linné) als Forstschädling. Ein monographischer Versuch. Arb. biol. Reichsanst. Land-u. Forstw., Berlin **12** 1925 pp. 355–508, 7 pls. [Lep.]

1039.—Gasow, H. Eine neue biologische Grundlage für Versuche zur Bekämpfung des Kiefernknospentriebwicklers (*Evetria buoliana* Schiff.). Nachrichtenbl. deutschen Pflanzenschutzdienst, Berlin **5** 1925 p. 5. [Lep.]

1040.—Gater, B. A .R. & **Yusope,** M. A note on *Laelia suffusa* Wlk. (Lymantriidae) damaging padi. Malayan Agric. J., Kuala Lumpur **13** 1925 pp. 72–76. [Lep.]

1041.—Gaudin, L. Descriptions de Trechinae nouveaux de la chaîne pyrénéenne (Col. Carabidae). Bull. Soc. ent. France, Paris **1925** pp. 35–37.

1042.—Gaumont, L. Contribution à l'étude des Aphididae de France. Ann. Epiphyties, Paris **9** 1923 pp. 309–346 31 pls. [Hom.]

1043.—Gautier, C. & **Bonnamour,** S. Recherches sur *Tetrastichus rapo* Walker (Hym. Chalcididae). Rev. Path. vég. & Ent. agric., Paris **11** 1924 pp. 246–253.

1044.—Gautier, C. & **Riel,** P. Nouvelles recherches sur *Apanteles gabrielis* Gaut. & Riel (Hym., Braconidae). Bull. Soc. ent. France, Paris **1925** pp. 167–170.

1045.—Gebhardt, A. v. Vier neue Prachtkäfer von Borneo (Col. Buprest.). Ent. Bl., Berlin **21** 1925 pp. 92–96.

1046.—Gebien, H. Die Tenebrioniden Westafrikas. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 6 pp. 1–256, 47 figs. [Col.]

1047.—Gebien, H. Drei neue Rhysopaussinen (Col. Tenebr.). Ent. Mitt., Berlin **14** 1925 pp. 322–327.

1048.—Gebien, H. Die Tenebrioniden (Coleoptera) des Indo-Malayischen Gebietes, unter Beruecksichtigung den benachbarten Faunen, I–VIII. Philipp. J. Sci., Manila 1925 **26** pp. 67–94, 423–445, 535–576, 4 pls.; **27** pp. 131–156, 257–288, 423–452, 539–593, 5 pls.; **28** pp. 101–128, 1 pl.

1049.—Gee, N. G. A preliminary list of the ants recorded from China. Lingnaam Agric. Rev., Canton **2** 1925 pp. 100–107. [Hym.]

1050.—Genieys, P. *Habrobracon brevicornis* Wesm. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 143–202 31 figs. [Hym.]

1051.—Genji, M. Breeding of *Ptychanatis axyridis* Pall. I–II. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 371–376 411–413 [In Japanese]. (Abstract in Jap. J. Zool., Tokyo **1** 1924 p. (109).) [Col.]

1052.—Gentner, L. G. The mint flea-beetle *Longitarsus menthae* new species MS. Michigan Agric. Expt. Sta. Qtrly. Bull., E. Lansing **7** 1925 pp. 109–110 1 fig. [Col.]

1053.—George, C. J. Root-sucking Aphids of Coimbatore. J. Asiat. Soc. Bengal, Calcutta N.S. **20** (1924) 1925 pp. 307–311, pl. [Hom.]

1054.—Gerould, J. H. A right-left gynandromorph of the alfalfa butterfly, *Colias eurytheme* var. *alba.* J. Exp. Zool., Philadelphia **42** 1925 pp. 263–291, 3 pls. [Lep.]

1055.—Gestro, R. Materiali per lo studio delle Hispidae. LIV. Contributi alla sistematica della tribù e descrizione di specie nuove. Ann. Mus. civ. Stor. nat., Genoa **51** 1923 pp. 5–22. [Col.]

1056.—Gestro, R. Paussidi raccolti nell'Africa orientale dal Marchese Saverio Patrizi. Ann. Mus. civ. Stor. nat., Genoa **51** 1923 pp. 31–37, 1 fig. [Col.]

1057.—Ghika, G. v. & **Loibl,** H. Vier Sammeltage an der Ostsee in October 1924. Intern. ent. Zs., Guben **19** 1925 pp. 244–247. [Lep.]

1058.—Ghosh, C. C. A few insects used as food in Burma. Rept. Proc. 5th Ent. Meeting Pusa, **1923** Calcutta 1924 pp. 403–405 1 pl.

1059.—Gibson, A. The preparatory stages of *Diacrisia kasloa,* Dyar. Proc. Ent. Soc. Br. Columbia, Victoria no. **4** 1914 pp. 50–51. [Lep.]

1060.—Gibson, A. Observations on the spruce budworm. Trans. R. Soc. Canada, Ottawa **19** Sec. 5 1925 pp. 195–205 3 pls. [Lep.]

1031.—Giffard, W. M. A review of the Hawaiian Cixiidae, with descriptions of species (Homoptera). Proc. Hawaiian Ent. Soc., Honolulu **6** 1925 pp. 51–156 8 pls.

1062.—Gill, J. B. The pecan nut case-bearer. U.S. Dept. Agric., Washington Dept. Bull. **1303** 1925 12 pp. 4 pls. [Lep.]

1063.—Gillet, J. J. E. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913. 40. Scarabaeidae: Geotrupinae et Coprinae. Ark Zool., Stockholm **17A** 1925 no. 7 pp. 1–16. [Col.]

1064.—Gillet, J. J. E. Descriptions d'*Onthophagus* nouveaux de l'Inde Britannique (Col. Lamell.). Ann. Soc. sci. Bruxelles **44** 1925 pp. 230–236.

1065.—Gillette, C. P. & **Palmer,** M. A. Two new species of the genus *Lachnus*. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 526–530 1 pl. [Hom.]

1066.—Gilmer, P. M. Note on the poison apparatus of *Lagoa crispata* Pack. (Lepid.: Megalopygidae). Ent. News, Philadelphia **36** 1925 pp. 231–234.

1067.—Gilmer, P. M. A comparative study of the poison apparatus of certain Lepidopterous larvae. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 203–239 21 figs.

1068.—Girault, A. A. The banana thrips rust. Queensland Agric. J., Brisbane **23** 1925 pp. 471–516 1 pl. [Thysanopt.]

1069.—Girault, A. A. A systematic note on an imported lucerne pest, with description of two new allied species. Queensland Agric. J., Brisbane **24** 1925 pp. 536–537. [Hym.]

1070.—Girault, A. A. Records and descriptions of Australian Ophioninae (Ichneumon Flies). Queensland Agric. J., Brisbane **24** 1925 pp. 538–541. [Hym.]

1071.—Girault, A. A. A new parasite of bug eggs (Proctotrypidae). Bull. Ent. Res., London **16** 1925 p. 183. [Hym.]

1072.—Girault, A. A. Two new Thysanoptera from Queensland. Insec. Insc. Menstr., Washington **13** 1925 pp. 34–35.

1073.—Girault, A. A. Records of Australian Ichneumon Flies (Hymenoptera). Insec. Insc. Menstr., Washington **13** 1925 pp. 35–40.

1074.—Girault, A. A. Notes and descriptions of Australian Chalcid-flies —III. (Hymenoptera). Insec. Insc. Menstr., Washington **13** 1925 pp. 91–100.

1075.—Glasgow, R. D. A specimen of *Melanoplus differentialis* Thomas with four ocelli. Psyche, Boston **32** 1925 pp. 285–290 1 fig. [Orth.]

1076.—Glasgow, R. D. New *Phyllophaga* (Scarabaeidae). Canad. Ent., Orillia **57** 1925 pp. 293–296 2 figs. [Col.]

Godfrey, E. J. *see* Riley & Godfrey.

1077.—Goding, F. W. Sinopsis de los Membracidos del Ecuador (Insectos Hemípteros, suborden Homópteros). Rev. Colegio nac. Vicente Rocafuerte, Guayaquil no. **5** 1921 pp. 3–15 1 pl.

1078.—Goding, F. W. Sinopsis de los Cercopidae del Ecuador. Rev. Colegio nac. Vicente Rocafuerte, Guayaquil no. **11–12** 1923 pp. 45–52 1 pl. [Hom.]

1079.—Goe, M. T. Eight months' study of earwigs (Dermaptera). Ent. News, Philadelphia **36** 1925 pp. 234–238.

1080.—Goetghebuer, M. Catalogue raisonné des Culicides de Belgique. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 209–219. [Dipt.]

1081.—Goetghebuer, M. Notes biologiques et morphologiques sur *Dasyhelea bilineata* Goetgh. Encyc. ent. Sér. B. II. Dipt. **1** Paris (1924) 1925 pp. 121–124 1 fig. [Dipt.]

1082.—Goetghebuer, M. Contribution à l'étude des "prémandibules" chez les larves des Diptères némocères. Encyc. ent. Sér. B. II. Dipt. **1** Paris (1924) 1925 pp. 143–157 11 figs.

1083.—Goetghebuer, M. & **Bastin,** F. Contribution à l'étude des Sepsidae de Belgique. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 123–137, 2 pls., 1 fig. [Dipt.]

1084.—Goidanich, A. Osservazioni sopra il genere *Onthophagus* Latr. II–V. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 23, 78–80, 90–96, 104–106, 2 figs. [Col.]

1085.—Goldschmidt, R. Über die Erzeugung der höheren Stufen männlicher Intersexualität bei *Lymantria dispar*. Biol. Zentralbl., Leipzig **45** 1925 pp. 134–136. [Lep.]

1086.—Goldschmidt, R. Bemerkungen über triploide Intersexe. Biol. Zentralbl., Leipzig **45** 1925 pp. 536–541.

1087.—Goldschmidt, R. Das Mutationsproblem. Zs. indukt. Abstammgslehre, Berlin **30** 1923 pp. 260–268. [Dipt.]

1088.—Goldschmidt, R. & **Machida,** J. Ueber zwei eigenartige Gynandromorphe des Schwammspinners *Lymantria dispar* L. Zs. indukt. Abstammgslehre, Berlin **28** 1922 pp. 249–258, 3 pls. 4 figs. [Lep.]

1089.—Gönner, P. Blumen und Insekten. Ent. Zs., Frankfort on M. **38** 1925 pp. 99–101, 104–106 6 figs.

1090.—Gönner, P. Einiges über die Ueberwinterung von *Pyr. atalanta* L. (Lep.). Ent. Zs., Frankfort on M. **39** 1925 pp. 45–46.

1091.—Gönner, P. Der C-Vogel (*Polygonia c-album* L.). Int. ent. Ver. Buchbeilage, Frankfort on M. **1924-25** 1925 pp. 15–21, 1 pl. [Lep.]

1092.—Gonzales, S. S. The sweet potato weevil (*Cylas formicarius*, Fabr.). Philipp. Agric., Los Baños **14** 1925 pp. 257–280 3 pls. [Col.]

1093.—Good, H. G. Wing venation of the Buprestidae. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 251–271 4 pls. [Col.]

1094.—Goodman, O. R., **Turner,** H. J. & **Pierce,** F. N. A supposed hybrid *Polyommatus* (*coridon-hylas*). Ent. Rec., London **37** 1925 pp. 21–25 2 pls. [Lep.]

1095.—Goot, P. van der. Levenswijze en bestrijding van den witten rijstboorder op Java. Meded. Inst. Plantenziekten, Buitenzorg no. **66** 1925 306 pp. 33 tables 1 pl. 9 charts. [Lep.]

1096.—Göttler, M. Ueber den Melanismus bei Lepidopteren. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 4–7.

1097.—Götz, W. Ein Wort zur Bienenmimikry von *Eristalis*. Antwort auf Herrn Heikertinger's Arbeit "Die Bienenmimikry." Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 14–23. [Hym., Dipt.]

1098.—Götz, H. J. Mitteilung über einige geographische variationen bei Odonaten. Mitt. münchn. ent. Ges., Munich **13** 1923 pp. 36–37.

1099.—Götz, H. Zur Nomenklatur der Gattung *Aeshna* Fab. (= *Aeschna* auct.). Mitt. münchn. ent. Ges., Munich **13** 1923 pp. 37–39. [Odon.]

1100.—Goudie, J. C. Notes on the Coleoptera of North-Western Victoria. Parts 12–13. Vict. Nat., Melbourne 1925 **41** pp. 192–197; **42** pp. 92–98.

1101.—Grace, G. Modern methods of studying the smaller Diptera. Naturalist, London **1925** pp. 173–178.

1102.—Grandi, G. Agaonini e Sycophagini olartici e indo-malesi. Boll. Lab. Zool., Portici **18** 1924 pp. 3–31 11 figs. [Hym.]

1103.—Grandi, G. Contributo alla conoscenza biologica e morfologica di alcuni Lamellicorni fillofagi. Bol. Lab. Zool., Portici **18** 1925 pp. 159–224 23 figs. [Col.]

1104.—Grandi, G. Biologia, morfologia e adattamento negli insetti dei fichi. Atti Soc. ital. Sci. nat., Milan **63** 1925 pp. 288–311. [Hym.]

1105.—Grandi, G. Sull' istinto gregario della *Psammophila hirsuta* Scop. Natura, Milan **16** 1925 pp. 89–95. [Hym.]

1106.—Grandi, G. Morfologia del gen. *Tetrapus* Mayr e descrizione di una nuova specie della Costa Rica. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 1–13, 3 figs. [Hym.]

1107.—Grandi, G. Contributi alla conoscenza degli Imenotteri melliferi e predatori. II. Documenti etologici e morfologici sul *Crabro* (*Entomognathus*) *brevis* v.d. Lind. Crabronide predatore di Alticidi. Redia, Florence **16** 1925 pp. 69–78 4 figs. [Hym.]

1108.—Grandori, R. Studi sulla blastocinesi degl' insetti. Atti Accad. Lincei, Rome Rendiconti Cl. Sci. fis. mat. nat. (6) **2** 1925 pp. 449–455 8 figs. [Lep.]

1109.—Graves, P. P. The Lepidoptera of Constantinople. Entomologist, London **58** 1925 pp. 191–194, 242–245, 260–262, 291–294.

1110.—Graves, P. P. Some Pyralids from Southern Palestine. Ent. Rec., London **37** 1925 pp. 99–101. [Lep.]

1111.—Graves, P. P. The Rhopalocera and Grypocera of Palestine and Transjordania. Trans. Ent. Soc. London **1925** pp. 17–125 2 pls.

1112.—Graves, P. P. Seasonal forms of *Polyommatus icarus* from Palestine. Trans. Ent. Soc. London **1925** pp. xxi–xxii. [Lep.]

1113.—Gray, H. E. Observations on tripping of alfalfa blossoms. Canad. Ent., Orillia **57** 1925 pp. 235–237.

1114.—Green, E. E. On the need of a more careful study of the genus *Monophlebus* in India. Rept. Proc. 5th Ent. Meeting Pusa, **1923** Calcutta 1924 pp. 336–337. [Hom.]

1115.—Green, E. E. Notes on the Coccidae of Guernsey (Channel Islands) with a description of some new species. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 516–527, 5 figs. [Hom.]

1116.—Green, E. E. Observations on British Coccidae IX. Ent. Mo. Mag., London **61** 1925 pp. 34–44, 5 figs. [Hom.]

1117.—Green, E. E. Synonymic note on *Monophlebus philippinensis* Green. Not. ent., Helsingfors **5** 1925 p. 31. [Hom.]

1118.—Greene, C. T. The puparia and larvae of Sarcophagid flies. Proc. U.S. Nat. Mus., Washington **66** 1925 art. 29 no. 2566 pp. 1–26 9 pls. [Dipt.]

1119.—Greene, C. T. A tentative arrangement of the Muscoid flies based on the puparia. Proc. Ent. Soc. Washington **27** 1925 pp. 157–162 1 pl. [Dipt.]

1120.—Greer, T. The Lepidoptera of the North of Ireland. Ann. Rep. Proc. Belfast Nat. F. Cl. **3** App. 4 1923 pp. 33–60, 1 pl.

1121.—Greer, T. Aberrations of Lepidoptera from Northern Ireland. Entomologist, London **58** 1925 p. 1 1 pl.

1122.—Gribodo, G. Imenotteri aculeati di Cirenaica. Atti Soc. ital. Sci. nat., Milan **63** 1924 pp. 245–268. [Hym.]

1123.—Gribodo, G. Misseoni Zoologica del Dr. E. Festa in Cirenaica. X. Hymenoptera Aculeata (parte II). Boll. Mus. Zool. & Anat. comp. Torino **39** (1924) 1925 N.S. no. 16 52 pp.

1124.—Gridelli, E. Sesto contributo allo studio degli Staphylinini. Appunti di morfologia e sistematica del genere *Hesperus* Fauv. Ann. Mus. civ. Stor. nat., Genoa **51** 1924 pp. 170–201 10 figs. [Col.]

1125.—Gridelli, E. Studi sul genere *Quedius* Steph. (Col. Staph.). Secondo contributo. Specie della regione paleartica. Mem. Soc. ent. ital., Genoa **3** (1924) 1925 pp. 113–180 2 figs. 2 pls.

1126.—Gridelli, E. Nota su alcune specie paleartiche del genere *Chlaenius* (Coleopt. Carab.). Boll. Soc. ent. ital., Genoa **57** 1925 pp. 113–122.

1127.—Gridelli, E. Aggiunte e correzioni al Catalogus Coleopterorum Regionis Palaearcticae, Editus ab A. Winkler. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 127–128.

1128.—Gridelli, E. Appunti su alcune specie di *Acinopus* (Coleoptera-Carabidae). Boll. Soc. ent. ital., Genoa **57** 1925 pp. 129–136.

1129.—Grimshaw, P. H. The study of flies (Diptera). Naturalist, London **1925** pp. 5–20.

1130.—Griswold, G. H. A study of the oyster-shell scale *Lepidosaphes ulmi* L. and one of its parasites, *Aphelinus mytilaspidis* Le B. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **93** 1925 67 pp. 21 figs. 2 pls.

1131.—Groff, G. W. & **Howard,** C. W. The cultured citrus ant of south China. Lingnaam Agric. Rev., Canton **2** 1925 pp. 108–114 3 pls. [Hym.]

1132.—Grönblom, T. Bidrag till kännedom om levnadssättet hos våra rovsteklar (Hymenopt., Sphegidae) I. Not. ent., Helsingfors **5** 1925 pp. 1–9.

1133.—Grønlien, N. Mikrolepidoptera fra Voss og Indre-Hardanger samt enkelte andre lokaliteter. Norsk ent. Tidsskr., Oslo **2** (1924) 1925 pp. 39–52.

1134.—Gropengiesser, C. Untersuchungen über die Symbiose der Blattiden mit niederen pflanzlichen Organismen. Centralbl. Bakt., Jena 2. Abt. **64** 1925 pp. 495–511 2 plates. [Orth.]

1135.—Gros, A. J. Quelques conseils pour les élevages en Aquarium des larves des Ephémères. Ann. Biol. lacustre, Brussels **14** 1925, pp. 49–52. [Ephem.]

1136.—Gros, A. J. Études sur les premiers stades des Ephémères du Jura français. Ann. Biol. lacustre, Brussels **14** 1925 pp. 53–87 9 figs. [Ephem.]

1137.—Gross, C. Beitrag zur Kenntnis der Lepidopteren-Fauna des mittleren rechtsseitigen Wolga-Gebietes. Int. ent. Ver. Buchbeilage, Frankfort on M. **1924–25** 1925 pp. 53–95.

1138.—Gross, C. Biologische Beobachtungen über *Dyspessa salicicola*, Ev. (= *Endagria salicicola*, Ev.). Ent. Zs., Frankfort on M. **38** 1924 pp. 53–54; 1925 pp. 63–64. [Lep.]

1139.—Gross-Heim, V. Note sur les larves de *Rhynchites* Schneid. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 76–78, 4 figs. [Col.]

1140.—Grützner, H. Zu dem Artikel des Herrn Leiberg über den Ameisenlöwen. Ent. Anz., Vienna **5** 1925 pp. 27–30. [Neurop.]

1141.—Gschwandner, R. Neue *Attacus*-Formen. Zs. österr. Ent.-Ver., Vienna **5** 1920 pp. 55–60 2 pls. [Lep.]

1142.—Gschwandner, R. Eine neue Eupterotide aus Ost-Afrika. Zs. österr. Ent.-Ver., Vienna **8** 1923 pp. 33–34. [Lep.]

1143.—Gschwandner, R. Neue Lokalformen afrikanischer Saturniiden. Zs. österr. Ent.-Ver., Vienna **8** 1923 pp. 46–47. [Lep.]

1144.—Gschwandner, R. Zur Variabilität von *Saturnia pyri* Schiff., *spini* Schiff., und *pavonia* L. Zs. österr. Ent.-Ver., Vienna **8** 1923 pp. 79–80. [Lep.]

1145.—Gschwandner, R. Zwei neue tropische Saturniiden. Intern. ent. Zs., Guben **19** 1925 pp. 7–9. [Lep.]

1146.—Gschwendtner, L. Zur Biologie der *Phytodecta linnaeana* Schrnk. Ent. Bl., Berlin **21** 1925 pp. 31–41, 69–76 2 figs. [Col.]

1147.—Gudmann, Fr. Smaasommerfugle. Notes on Microlepidoptera new to the Danish fauna. [In Danish.] Flora og Fauna, Copenhagen **1924** pp. 96–99.

1148.—Guercio, G. del. Il Moscerino del Fleotripide dell' Olivo (*Adelgimyza tripidiperda* sp. n.). Il Moscerino della Sipha del Granturco (*Trilobiella siphae* n. g. n. sp.). Il Moscerino della Diaspide della Rosa (*Cecidomyella aulacaspidis* n. g. n. sp.). Agric. coloniale, Florence **13** 1919 pp. 177–190 11 figs. [Dipt.]

1149.—Guercio, G. del. Nuova contribuzione allo studio della Schizoneora del melo e del suo nemico endofago *Aphelinus mali* Hald. var. *italica* del Guercio. Istituto agric. colon. ital., Florence 1925 36 pp. 2 figs. 3 pls.; also Agric. coloniale, Florence **19** 1925 pp. 98–104, 121–128, 179–183, 218–225, 254–264, 2 figs. 3 pls. [Hom., Hym.]

1150.—Guignot, F. Description d'un *Siettitia* nouveau di Midi de la France (Col. Dytiscidae). Bull. Soc. ent. France, Paris **1925** pp. 23–24.

1151.—Gunder, J. D. Several new varieties of and aberrant Lepidoptera (Rhopalocera) from California. Ent. News, Philadelphia **36** 1925 pp 1–9 1 pl.

1152.—Gunder, J. D. Several new aberrant Lepidoptera (Rhopalocera). Ent. News, Philadelphia **36** 1925 pp. 193–200 1 pl.

1153.—Guppy, H. B. Dispersal of butterflies and other insects. Nature, London **116** 1925 p. 543.

1154.—Guth, F. Ueber interessante Formen von *Papilio machaon* L. Mitt. badischen ent. Ver., Freiburg i. Br. **1** 1925 pp. 161–163. [Lep.]

1155.—Guthrie, J. D. A new leg mutant in *Drosophila melanogaster*. Amer. Nat., New York **59** 1925 pp. 479–480. [Dipt.]

1156.—Guthrie, J. D. The asymmetry of the small-eyed condition in eyeless *Drosophila*. J. Exp. Zool., Philadelphia **42** 1925 pp. 307–314. [Dipt.]

Guyon, L. *see* Surcouf & Guyon.

1157.—Haas, T. Bericht über die Exkursion einiger Mitglieder des Entomologenvereins Basel nach Rufach (Elsass) und Umgebung am 15. und 16. August 1925. Intern. ent. Zs., Guben **19** 1925 pp. 250–255.

1158.—Habermehl, H. Beiträge zur Kenntnis der Cryptinengattungen *Spilocryptus* und *Hoplocryptus* C. G. Thoms. (Hym. Ichneum.). N. Beiträge syst. Insektenk., Berlin **3** 1925 pp. 101–111.

1159.—Habermehl, H. Beiträge zur Kenntnis der palaearktischen Ichneumonidenfauna. iv. Unterfamilie Tryphoninae. Konowia, Vienna **4** 1925 pp. 1–19, 169–186, 264–276. [Hym.]

1160.—Habermehl, H. Neue und wenig bekannte paläarktische Ichneumoniden (Hym.). II. Nachtrag. D. ent. Zs., Berlin **1925** pp. 238–242.

1161.—Hacker, H. The life-history of *Oliarus felis* Kirk. (Homoptera). Mem. Queensland Mus., Brisbane **8** 1925 pp. 113–114 2 pls.

1162.—Hadwen, S. A description of the egg and ovipositor of *Cuterebra fontinella*, Clark. Proc. Ent. Soc. Br. Columbia, Victoria no. **5** 1915 pp. 88–91 2 pls. [Dipt.]

1163.—Haecker, V. Vererbungsgeschichtliche Einzelfragen V. Zur Frage der Lethalfaktoren. Zs. indukt. Abstammgslehre, Berlin **32** 1924 pp. 74–81.

1164.—Haecker, V. & **Eisentraut,** M. Ueber das Vorkommen von Ueberkreuzungsfiguren ausserhalb der Diakinese. Zs. indukt. Abstammgslehre, Leipzig **38** 1925 pp. 321–323, 3 figs. [Orth.]

1165.—Haeger, E. Im hinterpommerschen Moor. Intern. ent. Zs., Guben **19** 1925 pp. 35–38, 49–52, 60. [Lep.]

1166.—Haga, J. A new *Uranotaenia* (Culicidae, Diptera) from Alor, Lesser Sunda Islands. Bull. Ent. Res., London **16** 1925 pp. 43–44.

1167.—Hale, H. M. Studies in Australian aquatic Hemiptera. No. IV. Trans. R. Soc. S. Australia, Adelaide **48** 1924 pp. 7–9 1 pl.

1168.—Hale, H. M. Two new Hemiptera from New South Wales. Proc. Linn. Soc. N.S.W., Sydney **49** 1924 pp. 461–467, 2 pls.

1169.—Hale, H. M. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913. 44. The Aquatic and Semi-Aquatic Hemiptera. Ark. Zool., Stockholm **17A** no. 20 1925 pp. 1–19, 8 figs.

1170.—Hall, A. List of the butterflies of Hispaniola. Entomologist, London **58** 1925 pp. 161–165, 186–190. [Lep.]

Hall, Dos Santos *see* Dos Santos Hall.

1171.—Hall, W. J. Notes on Egyptian Coccidae with descriptions of new species. Minist. Agric. Egypt, Cairo Tech. & Sci. Serv. Bull. **64** 1925 31 pp. 6 pls. [Hom.]

1172.—Hamaguchi, K. Observations on the habits of *Papilio helenus* L. var. *nicconicolens* Butl. in the adult stage. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 163–165, 193–196, 298–302 1 fig. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1924 p. (108).) [Lep.]

1173.—Hamilton, C. C. The boxwood leaf-miner (*Monarthropalpus buxi* Lab.). Maryland Agric. Expt. Sta., College Park, Md. Bull. **272** 1925 pp. 143–170 2 pls. 8 figs. [Dipt.]

1174.—Hamilton, C. C. Studies on the morphology, taxonomy and ecology of the larvae of Holarctic tiger-beetles. Proc. U. S. Nat. Mus., Washington **65** 1925 art. 17 no. 2530 87 pp. 12 pls. [Col.]

Hamlett, G. W. D. *see* Patterson & Hamlett.

1175.—Hampson, G. F. Two new genera and a new species of Oriental Hypeninae (Noctuidae). Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 408–411. [Lep.]

1176.—Hancock, G. L. R. Notes on the hibernation of Ichneumonidae and on some parasites of *Tortrix viridana* L. Ent. Mo. Mag., London **61** 1925 pp. 23–28. [Hym.]

1177.—Hancock, G. L. R. A preliminary account of the Ichneumonidae of the Cambridgeshire fens. Nat. Hist. Wicken Fen, Cambridge **1** 2 1925 pp. 122–139. [Hym.]

1178.—Händel, K. P. Nächtliche Wanderer auf Helgoland. Ent. Zs., Frankfort on M. **38** 1925 p. 103. [Lep.]

1179.—Handlirsch, A. Geschichte, Literatur, Technik, Paläontologie, Phylogenie und Systematik der Insekten. Schröder's Handbuch der Entomologie, Jena **3** 1925 1201 pp. 1040 figs. [Not seen.]

1180.—Handschin, E. Die Collembolenfauna des schweizerischen Nationalparkes. Denkschr. schweiz. naturf. Ges., Zurich **60** 1924 pp. 89–174, 7 pls.

1181.—Handschin, E. Beiträge zur Kenntnis der Tierweld norddeutscher Quellgebiete. Collembola (Springschwänze). D. ent. Zs., Berlin **1925** pp. 227–234.

Haniel, C. B. *see* Seiler & Haniel.

1182.—Hanitsch, R. Blattidae collected by Prof. Gregory's expedition to Yunnan. J. Asiat. Soc. Bengal, Calcutta, N.S. **20** (1924) 1925 pp. 337–338. [Orth.]

Hankinson, T. L. *see* Adams, Burns, etc.

1183.—Hansen, V. Tillaeg og Rettelser til vore Billefortegnelser. [Additions and corrections to the catalogues of Danish Coleoptera.] Ent. Medd., Copenhagen **14** 1924 pp. 240–242.

1184.—Hansen, V. Sjaeldne Biller i Aarhusegnen. [Some rare Coleoptera in the environs of Aarhus, Jutland.] Flora og Fauna, Copenhagen **1924** pp. 34–40.

1185.—Hansen, V. Notes on Coleoptera occurring in Denmark on willow and poplar. [In Danish.] Flora og Fauna, Copenhagen **1924** pp. 129–141.

1186.—Hansen, V. Planter og Biller. Flora og Fauna, Copenhagen **1925** pp. 129–137. [Col.]

1187.—Hansen, V. Biller VI. Torbister. Danmarks Fauna, Copenhagen 1925 pp. 1–124, 46 figs. [Col.]

1188.—Hanström, B. Comparison between the brains of the newly hatched larva and the imago of *Pieris brassicae.* Ent. Tidskr., Stockholm **46** 1925 pp. 43–52 4 figs. [Lep.]

1189.—Hanus, F. *Gnorimus nobilis* L. var. *thoracicus* m. Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 p. 96. [Col.]

1190.—Harder, O. Noch einige Bemerkungen zum Köderfang. Intern. ent. Zs., Guben **19** 1925 pp. 52–55, 1 fig.

1191.—Hardy, G. H. The fecundity of *Mormoniella* and some problems in parthenogenesis. Queensland Agric. J., Brisbane **24** 1925 pp. 347–348. [Hym.]

1192.—Hardy, G. H. Australian Nemestrinidae (Diptera). Proc. Linn. Soc. N.S.W., Sydney **49** 1924 pp. 447–460 13 figs.

1193.—Hardy, G. H. Australian Mydaidae (Diptera). Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 139–144, 2 figs.

1194.—Haritonov, D. E. Notices sur l'entomofaune de l'Oural. Bull. Soc. oural. Amis Sci. nat., Ekaterinburg **37** 1917 pp. 40–43. [Col.]

1195.—Harman, M. T. Reproductive system of *Apotettix eurycephalus*, Hancock. J. Morph., Philadelphia **41** 1925 pp. 217–238, 4 pls. [Orth.]

1196.—Harnisch, O. Vergleichende Studien über den Eisenstoffwechsel der Chironomidenlarven. Verh. D. zool. Ges., Leipzig **30** 1925 pp. 96–104, 1 fig.

1197.—Harnisch, O. Studien zur Oekologie und Tiergeographie der Moore. Zool. Jahrb., Jena Abt. f. Syst. **51** 1925 pp. 1–166, 10 figs.

1198.—Harris, H. M. A new species of Nabidae (Costa) from the Western United States (Hemiptera). Ent. News, Philadelphia **36** 1925 pp. 205–206.

1199.—Harris, H. M. Two new species of *Carthasis* (Hemiptera, Nabidae). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 172–174.

Harris, R. C. *see* Cockerell & Harris.

1200.—Harris, R. G. Reversal of function in a species of *Oligarces.* Biol. Bull., Wood's Hole, Mass., **48** 1925 pp. 139–144. [Dipt.]

1201.—Hartley, E. A. A useful cage for the rearing of small insects on growing plants. Ohio J. Sci., Columbus **23** 1923 pp. 201–203.

1202.—Harukawa, C. Studies on the bionomics of the pear fruit saw-fly, *Hoplocampa minuta* Christ. Ber. Ohara Inst. landw. Forschungen, Kuraschiki **2** 1924 pp. 505–520 1 pl. [Hym.]

1203.—Harukawa, C. Studies on the rush saw-fly, *Tomostethus juncivorus* Rohwer. Ber. Ohara Inst. landw. Forschungen, Kuraschiki **2** 1925 pp. 521–544 2 pls. 18 tables. [Hym.]

1204.—Harukawa, C. Studies on the oriental peach moth, *Laspeyresia molesta* Busck. Ohara Agric. Res. Inst., Kuraschiki Spec. Rept. **3** 1925 pp. 1–157 2 pls. [Lep.]

1205.—Hase, A. Biologie der Schlupfwespe *Habrobracon brevicornis* (Wesmael) (Braconidae). Arb. biol. Reichsanst. Land- u. Forstw., Berlin **11** 1922 pp. 95–168, figs. [Hym.]

1206.—Hase, A. Untersuchungen und Beobachtungen über die Gespinste und über die Spinntätigkeit der Mehlmottenraupen, *Ephestia kuehniella* Zell. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **13** 1924 pp. 79–128, 10 pls. [Lep.]

1207.—Hase, A. Beiträge zur Lebensgeschichte der Schlupfwespe *Trichogramma evanescens* Westwood. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **14** 1925 pp. 171–224 9 figs. [Hym.]

1208.—Hasebroek, K. Untersuchungen zum Problem des neuzeitlichen Melanismus der Schmetterlinge. Fermentforschung, Berlin **8** 1925 pp. 197–226; also in Ent. Mitt., Berlin **14** 1925 pp. 398–399. [Lep.]

1209.—Hasebroek, K. Neues zur Entwicklung des Schmetterlingsflügels, speziell nach dem Schlüpfen des Falters aus der Puppe. Pflügers Arch. gesamte. Physiol., Berlin **207** 1925 pp. 140–155. [Lep.]

1210.—Hasebroek, K. Zur künstlichen Melanisierung der Schmetterlinge durch die Einwirkung von Fäulnisgasen auf die Puppe. Intern. ent. Zs., Guben **19** 1925 pp. 151–152. [Lep.]

1211.—Hasebroek, K. Die prinzipielle Lösung des Problems des Grossstadt- und Industriemelanismus der Schmetterlinge. Intern. ent. Zs., Guben **19** 1925 pp. 78–80. [Lep.]

1212.—Hasey, W. H. A new species of *Trogus* (Hym.: Ichneumonoidea). Ent. News, Philadelphia **36** 1925 pp. 306–308.

1213.—Hatch, M. H. A preliminary list of the Coleoptera of the Cranberry Lake Region, New York, exclusive of the Buprestidae, Cerambycidae and Ipidae. New York State Coll. Forestry, Syracuse Tech. Pubn. **17** 1924 pp. 273–312.

1214.—Hatch, M. H. An outline of the ecology of Gyrinidae. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 101–114. [Col.]

1215.—Hatch, M. H. A list of Coleoptera from Charlevoix County, Michigan. Pprs. Michigan Acad. Sci. Arts & Letters, New York **4** 1925 pp. 543–585.

1216.—Hauber, U. A. An analysis by selection and crossing of genetic factors involved in defective venation, a variable character of the parasitic wasp, *Habrobracon juglandis* (Ashmead). Genetics, Brooklyn **10** 1925 pp. 91–116 8 diagrs. 7 tables. [Hym.]

1217.—Hauder, F. Beitrag zur Mikrolepidopteren-fauna Oberösterreichs. Jahresber. Mus. Franc.-Carol., Linz **72** 1914 sep. pp. 129–160; **74** 1916 sep. pp. 161–321.

1218.—Haupt, H. Beide Geschlechter eines neuen *Gonatopus*. Mitt. Ent. Ges. Halle a S., Berlin **10** 1916 pp. 41–50 3 figs. [Hym.]

1219.—Haupt, H. Neues und Ergänzendes zur Gruppe der Xoridinen (Fam. Ichneumoninae, III. Subf. Pimplinae, 3, Tribus Xoridini). Mitt. Ent. Ges. Halle a S., Berlin **11** 1917 pp. 77–87 1 fig. [Hym.]

1220.—Haupt, H. Ueber eine Homopteren-Ausbeute von Mittenwald und „Revision der Gattung *Cicadula* Zett." Mitt. münch. ent. Ges., Munich **15** 1925 pp. 9–40, 5 figs. [Hom.]

1221.—Haupt, H. Zur Kenntnis der Homopteren-Fauna Siciliens. Mem. Soc. ent. ital., Genoa **3** (1924) 1925 pp. 228–235 1 pl.

1222.—Hauser, G. Neue *Apotomopterus*-Arten. Soc. ent., Stuttgart **40** 1925 pp. 37–38, 43–44. [Col.]

1223.—Haverhorst, P. Van een paar zeldzame wespen. Levende Natuur, Amsterdam **29** 1925 pp. 180–182. [Hym.]

1224.—Haviland, M. D. The Membracidae of Kartabo, Bartica District, British Guiana, with descriptions of new species and bionomical notes. Zoologica, New York **6** 1925 pp. 229–290 6 pls. 1 map 1 fig. [Hom.]

1225.—Hayden, M. A. Karyosphere formation and synopsis in the beetle, *Phanaeus*. J. Morph., Philadelphia **40** 1925 pp. 261–398, 5 pls. [Col.]

1227.—Hayes, W. P. A preliminary list of the Ants of Kansas (Hymenoptera, Formicidae). Ent. News, Philadelphia **36** 1925 pp. 10–12, 39–43 69–73.

1228.—Hayes, W. P. A comparative study of the history of certain phytophagous Scarabaeid beetles. Kansas State Agric. Coll. Expt. Sta., Manhattan Tech. Bull. **16** 1925 146 pp. 10 pls. [Col.]

Hayes, W. P. *see* McColloch & Hayes.

1229.—Hayward, K. J. Migration of butterflies. Entomologist, London **58** 1925 pp. 147–149, 169–170. [Lep.]

1230.—Hayward, K. J. Miscellaneous notes from Argentina. Ent. Rec., London **37** 1925 pp. 151–154.

1231.—Hebard, M. The Orthoptera of South Dakota. Proc. Acad. Nat. Sci., Philadelphia **77** 1925 pp. 33–155 2 figs.

1232.—Hebard, M. The group Taeniopodae as found in the United States (Orthoptera). Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 1–12 2 pls.

1233.—Hebard, M. Records of European Acrididae, Tettigoniidae and Gryllidae (Orthoptera). Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 35–55.

1234.—Hedicke, H. Die Isthmosominocecidien, von Isthmosominen verursuchte Pflanzengallen und ihre Erzeuger. Zoologica, Stuttgart **24** Heft 61, Lief. iv 1924 pp. 637–674, 4 figs., 4 pls. [Hym.]

1235.—Hedicke, H. Beiträge zu einer Monographie der paläarktischen Isosominen (Hym. Chalc.). Arch. Natg., Berlin **86** Abt. A Heft 11 (1920) 1921 pp. 1–165, 36 figs.

1236.—Hedicke, H. Fauna Faerøensis. Cynipidae. Ent. Medd., Copenhagen **14** 1925 pp. 426–430. [Hym.]

1237.—Heikertinger, F. Monographie der Halticinengattung *Orestia* Germ. (Col., Chrysom.). (Monographie der paläarktischen Halticinen: Systematischer Teil.—Viertes Stück.) (Zugleich 57. Beitrag zur Kenntnis der Halticinen.) Verh. zool.-bot. Ges., Vienna **74** 1924 pp. 56–125 16 figs.

1238.—Heikertinger, F. Was leistet das Kontinuitätsprinzip in der Nomenklatur? Zool. Anz., Leipzig **58** 1924 pp. 115–131.

1239.—Heikertinger, F. Allgemeines über Züchtung von Insekten. ABDERHALDEN: Handbuch der biologischen Arbeitsmethoden, Berlin & Vienna, Urban & Schwarzenberg [1925] pp. 25–80, 17 figs.

1240.—Heikertinger, F. Die Halticinengenera der Palaearktis und Nearktis. Bestimmungstabellen. (Monographie der palaearktischen Halticinen: Systematischer Teil.—Zweites Stück.) Koleopt. Rundsch., Vienna **11** 1925 pp. 49–70. [Col.]

1241.—Heikertinger, F. Monographie der Halticinengattung *Derocrepis* Weise (Coleopt., Chrysomelidae). (Monographie der paläarktischen Halticinen: Systematischer Teil. Zweite Auflage des Dritten Stücks.) (Zugleich 60. Beitrag zur Kenntnis der Halticinen.) Wiener ent. Ztg., Vienna **42** 1925 pp. 95–178 33 figs.

1242.—Heikertinger, F. Welchen Quellen entspringen die biologischen Trachthypothesen. Zool. Anz., Leipzig **62** 1925 pp. 313–326; **63** 1925 pp. 69–80.

1243.—Heikertinger, F. Kann Mimikry durch Selection entstehen? Eine prinzipielle Untersuchung. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 598–614.

1244.—Heikertinger, F. Ueber die Begriffe "Mimikry" und "Mimese" mit besonderer Berücksichtigung der Myrmekoidie. Biol. Zentralbl., Leipzig **45** 1925 pp. 272–289.

1245.—Heikertinger, F. Resultate fünfzehnjähriger Untersuchungen über die Nahrungspflanzen einheimischer Halticinen (Monographie der paläarktischen Halticinen. Biologischer Teil. Erstes Stück). Ent. Bl., Berlin **21** 1925 pp. 10–19, 81–92, 119–131, 155–163 17 figs. [Col.]

1246.—Heimans, J. Kokerlarven die een fuikje spinnen. Levende Natuur, Amsterdam **29** 1925 pp. 360–364 5 figs. [Plecoptera.]

1247.—Hein, S. Beitrag zur Kenntnis der Macrolepidopterenfauna Nordostböhmens. Zs. österr. Ent.-Ver., Vienna **5** 1920 p. 2 &c.; **6** 1921 p. 6 &c. [Lep.]

1248.—Heintze, A. Lepturinernas blombesök och sekundära könskaraktärer. Ent. Tidskr., Stockholm **46** 1925 pp. 21–34. [Col.]

1249.—**Hellén,** W. Ueber finländische Goldwespen. Medd. Soc. Faun. Fl. fenn., Helsingfors **45** 1920 pp. 203–213. [Hym.]

1250.—**Hellén,** W. Zur Kenntnis der Bethyliden und Dryiniden Finlands. Medd. Soc. Faun. Fl. fenn., Helsingfors **45** 1920 pp. 277–290. [Hym.]

1251.—**Hellén,** W. Ueber *Eicolyctus brunneus* Gyll. (Col.). Medd. Soc. Faun. Fl. fenn., Helsingfors **46** 1921 pp. 210–213.

1252.—**Hellén,** W. Die nordeuropäischen Arten der Gattung *Mycetoporus* Mann. (Col.). Not. ent., Helsingfors **5** 1925 pp. 33–47.

1253.—**Hellén,** W. Uebersicht der Ptiniden (Col.) Finlands. Not. ent., Helsingfors **5** 1925 pp. 118–123.

1254.—**Heller,** I. Recherches sur le métabolisme nymphal des Insectes (1). C.R. Soc. Biol., Paris **93** 1925 pp. 1632–1634.

1255.—**Heller,** K. M. Philippinische Bockkäfer. D. ent Zs., Berlin **1924** pp. 424–436, 1 fig. [Col.]

1256.—**Heller,** K. M. 4. Bestimmungsschlüssel aussereuropäischer Käfer. Curculionidae, Tribus n.: Ottistirini. Wiener ent. Ztg., Vienna **42** 1925 pp. 55–91 1 pl. [Col.]

1257.—**Heller,** K. M. Uebersicht der bekannten *Rhadinopus*-Arten (Col. Curc. Cryptorrhynchinae). D. ent. Zs., Berlin **1925** pp. 224–226.

1258.—**Heller,** K. M. Wissenschaftliche Ergebnisse der Bearbeitung der Coleopteren-Sammlung von Franklin Müller. (Beitrag III) Papuanische Curculionidae. Ent. Mitt., Berlin **14** 1925 pp. 281–290.

1259.—**Heller,** K. M. Neue philippinische Anthribidae. Ent. Bl., Berlin **21** 1925 pp. 97–108 1 pl. [Col.]

1260.—**Heller,** K. M. Russelkäfer von Sumatra gesammelt von Herrn J. B. Corporaal. Zool. Meded. Leiden **8** 1925 pp. 220–244 5 figs. [Col.]

1261.—**Heller,** K. M. Neue philippinische Russelkäfer aus der Sammlung des Herrn Prof. C. F. Baker und Herrn Angelo Solari in Genova. Mem. Soc. ent. ital., Genoa **3** (1924) 1925 pp. 181–200 1 pl. [Col.]

1262.—**Hemming,** F. An interesting *Colias* from Peru. Trans. Ent. Soc. London **1925** pp. iv–v. [Lep.]

1263.—**Hemmingsen,** A. M. The action of insulin in the frog and some invertebrates. Preliminary communication. Skand. Ark. Physiol., Leipzig **46** 1924 pp. 56–63, 3 figs. [Lep.]

1264.—**Hemmingsen,** A. M. The blood sugar of some invertebrates. Skand. Ark. Physiol., Leipzig **45** 1924 pp. 204–210. [Lep.]

1265.—**Hemmingsen,** A. M. & **Nielsen,** E. T. Ueber die Lebensinstinkte der dänischen *Bembex rostrata* L. Ent. Medd., Copenhagen **16** 1925 pp. 14–27. [Hym.]

1266.—**Hempel,** A. As Coccidas do Brazil. [Descriptions also in English.] Catal. Fauna brazileira Mus. Paulista, São Paulo **3** 1912 pp. 1–77 fig. [Hom.]

1267.—**Hempel,** A. Descripção de sete novas especies de Coccidas. [Also in English.] Rev. Mus., São Paulo **10** 1918 pp. 193–208 1 pl. [Hom.]

1268.—**Hempel,** A. Descripção de uma nova especie de Aleurodidae. [Also in English.] Rev. Mus., São Paulo **10** 1918 pp. 209–214. [Hom.]

1269.—**Hempel,** A. Descripções de Coccidas novas e pouco conhecidas. [Also in English.] Rev. Mus., São Paulo **12** 1920 Pt. II pp. 329–377. [Hom.]

1270.—**Hendel,** F. Neue europäische *Phyllomyza*-Arten (Dipt. Milich.). D. ent. Zs., Berlin **1924** pp. 405–408.

1271.—**Hendel,** F. Neue übersicht die Bisher Bekannt Gewordenen Gattungen der Lauxaniiden, nebst Beschreibung neuer Gattungen u. Arten. Encyc. ent. Sér. B. II. Dipt. **2** Paris Lechevalier 1925 pp. 102–112. [Dipt.]

1272.—**Hendel,** F. Eine neue in *Carduus glaucus* Baumg. Blattminierende Anthomyidengattung aus den Alpen (Diptera). Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 333–336, 4 figs.

1273.—**Hendel,** F. Neue europäische Minierfliegen (8. Beitrag zur Blattminenkunde Europas). Konowia, Vienna **4** 1925 pp. 301–309. [Dipt.]

1274.—Hennin, D. G. de. Nouvelles remarques sur *Nemeobius lucina* L. Rev. mens. Soc. ent. Namur **25** 1925 pp. 86–88. [Lep.]

1275.—Henriksen, K. L. The Canadian Arctic Expedition 1913–18. Remarks on the entomological results. [In Danish.] Ent. Medd., Copenhagen **14** 1924 pp. 235–239.

1276.—Henriksen, K. L. Two Hymenoptera new to the Danish fauna. [In Danish.] Ent. Medd., Copenhagen **14** 1924 p. 239.

1277.—Henriksen, K. L. The first congress of Scandinavian entomologists. [In Danish.] Ent. Medd., Copenhagen **14** 1924 pp. 242–245 1 fig.

1278.—Henriksen, K. L. Oversigt over Dansk Entomologisk Historie. Ent. Medd., Copenhagen **15** 1925 pp. 145–192 20 figs.

1279.—Henriksen, K. L. Torbistlarverne. Danmarks Fauna, Copenhagen 1925 pp. 125–179, 30 figs. [Col.]

1280.—Henry, —. & **Leblois,** —. Crasse parasitaire de la poule. Rec. Méd. vétérin., Paris **100** 1924 (Annexe) Bull. & Mém. Soc. centr. Méd. vétérin. pp. 91–93 1 fig. [Malloph.]

1281.—Hensel, [W.] *Selenephora lobulina* und *lunigera* Esp. Jahresheft Ver. schles. Insektenk., Breslau **14** 1924 pp. 34–39. [Lep.]

1282.—Hepp, A. Sammelpraxis in früheren Zeiten. Int. ent. Ver. Buchbeilage, Frankfort on M. **1924–25** 1925 pp. 29–46.

1283.—Hepp, A. Neues aus der Schmetterlingsfauna von Frankfurt am Main. Ent. Zs., Frankfort on M. **38** 1925 pp. 83, 90, 92–93; **39** 1925 pp. 46–47, 49–50. [Lep.]

1284.—Herbst, P. *Halictus* nuevos de Chile. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 43–44. [Hym.]

1285.—Hering, M. *In* Seitz Grossschmett. **6** 1925 Hypsidae pp. 425–455; Dioptidae pp. 501–528, figs. [Lep.]

1286.—Hering, M. Minenstudien V. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 124–136, 161–174 8 figs. [Dipt., Lep., Col., Hym.]

1287.—Hering, M. Minenstudien VI. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 502–539, 15 figs. [Dipt., Lep., Col., Hym.]

1288.—Hering, M. Das histologische Bils der von Insektenlarven erzeugten Blattminen. II. Regenerationserscheinungen in Minengängen. Mikrokosmos, Stuttgart **18** 1924–25 pp. 161–166, 177–180 9 figs.

1289.—Hering, M. Beiträge zur Kenntnis der Zygaeniden (Lep.) III. D. ent. Zs. Iris, Dresden **39** 1925 pp. 152–178, 1 fig.

1290.—Hering, M. Ueber die Gattung *Neopseustis* Meyrick (Lep.). Mitt. zool. Mus. Berlin **12** 1925 pp. 143–147, 5 figs.

1291.—Hering, M. Die Familie der Ratardidae (Lep.). Mit Beschreibung 5 neuer Arten. Mitt. zool. Mus. Berlin **12** 1925 pp. 151–158, 1 pl.

1292.—Hering, M. & **Hopp,** W. Eine Sammelausbeute des Herrn Werner Hopp aus dem Chocó Kolumbiens. D. ent. Zs. Iris, Dresden **39** 1925 pp. 181–207, 9 figs. [Lep.]

1293.—Herms, W. B. Entomological observations on Fanning and Washington Islands, together with general biological notes. Pan-Pacific Ent., S. Francisco **2** 1925 pp. 49–54.

1294.—Herrick, G. W. Notes on some little known Thrips (Thysanoptera). Ent. News, Philadelphia **36** 1925 pp. 180–183 2 figs.

1295.—Herrick, G. W. The maple case-bearer *Paraclemensia acerifoliella* Fitch (Order Lepidoptera, Family Incurvariidae). Cornell Univ. Agric. Expt. Sta., Ithaca Bull. **417** 1923 15 pp. 13 figs.

1296.—Herting, R. Einfluss der überreife der Geschlechtzellen auf das Geschlecht von *Lymantria dispar.* Sitz. Ber. bayer. Akad. Wiss., Munich **1923** pp. 215–252. [Lep.]

1297.—Hesse, A. J. Contributions to a knowledge of the fauna of South-West Africa. iv. A list of the Heteropterous and Homopterous Hemiptera of South-West Africa. Ann. S. Afr. Mus., Cape Town **23** pt. 1, Oct. 1925, pp. 1–190, 8 pls.

1298.—Hetschko, A. & Wasmann, E. Uebersicht der Thorictidae mit Angabe der Wirte. Wiener ent. Ztg., Vienna **42** 1925 pp. 183–189. [Col.]

1299.—Heyde, K. Die Entwicklung der psychischen Fähigkeiten bei Ameisen und ihr Verhalten bei abgeänderten biologischen Bedingungen. Biol. Zentralbl., Leipzig **44** 1924 pp. 623–654. [Hym.]

1300.—Heydemann, F. Ueber die Variabilität von *E. atomaria* L. und *Orth. mucronata* Scop. Intern. ent. Zs., Guben **18** 1925 pp. 265–270, 273–280, 2 pls., 2 figs. [Lep.]

1301.—Heymons, R. Orthopterologische Bemerkungen. D. ent. Zs., Berlin **1925** pp. 163–166.

Hicks, G. C. *see* Jeffery & Hicks.

1302.—Hill. C. A. A new Noctuid moth from Arizona. Bull. S. Cal. Acad. Sci., Los Angeles **23** 1924 p. 158. [Lep.]

1303.—Hill, C. C. Biological studies of the green clover worm. U.S. Dept. Agric., Washington Dept. Bull. **1336** 1925 19 pp. 15 figs. [Lep.]

1304.—Hill, G. F. Notes on the habits and distribution of some North Australian Culicidae. Commonw. Austr. Dept. Health Melbourne, Serv. Pubn. no. **21** 1922 32 pp. 11 pls. [Dipt.]

1305.—Hill, G. F. The distribution of Anopheline mosquitoes in the Australian Region with notes on some Culicine species. Proc. R. Soc. Victoria, Melbourne **37** 1925 pp. 61–77 5 pls. [Dipt.]

1306.—Hill, G. F. Notes on *Mastotermes darwiniensis* Froggatt (Isoptera). Proc. R. Soc. Victoria, Melbourne **37** 1925 pp. 119–124 1 fig.

1307.—Hill, G. F. The Victorian termites. Vict. Nat., Melbourne **42** 1925 pp. 85–91, 1 pl. [Isop.]

1308.—Hilton, W. A. Nerve endings in insects. Trans. Amer. Microsc. Soc., Menasha, Wis. **44** 1925 pp. 132–137 1 pl.

1309.—Hilton, W. A. Functional divisions of the nervous system of insects. Science, New York **62** 1925 pp. 372–373.

1310.—Hilton, W. A. Some remarks on the peripheral nervous system of insects. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 537–542 10 figs.

1311.—Hine, J. S. Tabanidae of Mexico, Central America and the West Indies. Occ. Pprs. Mus. Zool., Univ. Michigan, Ann Arbor no. **162** 1925 35 pp. [Dipt.]

1312.—Hine, J. S. The dragonfly, *Tachopteryx thoreyi*, recorded for Ohio, with notes on its near relatives. Ohio J. Sci., Columbus **25** 1925 pp. 190–192. [Odon.]

1313.—Hingston, R. W. G. The evolution of the faculty of communication in ants. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 289–295. [Hym.]

1314.—Hingston, R. W. G. The *Cremastogaster* ant. J. Bombay Nat. Hist. Soc. **30** 1925 pp. 541–550, 1 pl. [Hym.]

1315.—Hingston, R. W. G. Natural history. *In* Norton, "The fight for Everest 1924." London 1925 pp. 267–288.

1316.—Hingston, R. W. G. Animal life at high altitudes. Geograph. J., London **65** 1925 pp. 184–198, 4 pls.

1317.—Hingston, R. W. G. Nature at the Desert's edge. London 1925 299 pp. 11 illus.

1318.—Hintze, A. L. The behaviour of the larvae of *Cotinis nitida* Burmeister (Coleoptera). Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 31–34.

1319.—Hintzelmann, U. Beiträge zur Morphologie von *Trichogramma evanescens* Westw. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **14** 1925 pp. 225–230 9 figs. [Hym.]

Hirata, S. *see* Suzuki & Hirata.

Hisaw, F. L. *see* Dodds & Hisaw.

1320.—Hofeneder, K. Nachtrag zu „*Stylops* in copula." Verh. zool.-bot. Ges., Vienna **74–75** (1924–25) 1925 pp. 194–195 1 fig. [Col.]

1321.—Höfer, K. Der heimische Formenkreis der *Larentia variata* Schiff. Zs. österr. Ent.-Ver., Vienna **6** 1921 pp. 58–59, 64–65; **7** 1922 pp. 11–12, 38–41. [Lep.]

1322.—Hoffman, W. A. A review of the species of *Culicoides* of North and Central America and the West Indies. Amer. J. Hyg., Baltimore **5** 1925 pp. 274–301 2 pls. 1 fig. [Dipt.]

1324.—Hoffmann, A. Note biologique sur *Pissodes piniphilus* Herbst (Col. Curculionidae). Bull. Soc. ent. France, Paris **1925** p. 32.

1325.—Hoffmann, A. Vertikale Verbreitung der Caraben und Erörterung über geflügelte Caraben. Ent. Anz., Vienna **5** 1925 pp. 57–60. [Col.]

1326.—Hoffmann, A. Beitrag zur Coleopteren-Fauna des Neusiedler See-Gebietes. Ergebnis meiner Exkursionen 1900 bis 1925. Ent. Anz., Vienna **5** 1925 pp. 75–79, 81–85, 91–94, 97–103, 105–108, 115–119, 122–127, 130–133, 140–141, 149–150, 158–159, 188–190; **6** 1926 pp. 1–4. [Col.]

1327.—Hoffmann, C. C. El desarrollo de la plaga de la langosta en el estado de Veracruz y el estado actual de la plaga a principios de Novembre de 1924. Monogr. Inst. Higiene, Mexico no. **3** 1925 pp. 10–47. [Orth.]

1328.—Hoffmann, C. C. Observaciones acerca de los parasitos encontrados en la langosta. B. Los parasitos de saltones y langostas aladas. Monogr. Inst. Higiene, Mexico no. **3** 1925 pp. 93–99. [Dipt.]

1329.—Hoffmann, C. C. Manual para el estudio y la recoleccion de Lepidopteros en Mexico. Mem. Soc. Ant. Alzate, Mexico **41** 1922–1923 pp. 441–525, 44 figs.

1330.—Hoffmann, C. C., **Dampf,** A. & **Varela,** G. Informe de la Comision Cientifica exploradora de la plaga de la langosta en el estado de Veracruz. Monogr. Inst. Higiene, Mexico, no. **3** 1925 140 pp. 46 pls. [Orth.]

1331.—Hoffmann, E. Lepidopt. Sammelergebnisse aus Salzburg. Ueber *Parn. apollo* L. und *mnemosyne* L. sowie über *Col. palaeno* L. Zs. österr. Ent.-Ver., Vienna **9** 1924 pp. 21–23, 32–33, 39–41.

1332.—Hoffmann, E. Ueber die Eiablage und den Gebrauch der Hinterleibstasche bei *Parn. apollo* L. Ent. Anz., Vienna **5** 1925 pp. 185–186. [Lep.]

1333.—Hoffmann, F. Ueber die Lepidopteren-fauna von Sudbrasilien. Ent. Zs., Frankfort on M. **39** 1925 p. 83.

1334.—Hoffmann, F. & **Klos,** R. Die Schmetterlinge Steiermarks. Mitt. natw. Ver. Steierm. Graz **50** 1914 pp. 184–323, **51** 1915 pp. 249–441, **52** 1916 pp. 91–243, **53** 1917 pp. 47–209, **54** 1918 pp. 89–160, **55** 1919 pp. 1–86.

1335.—Hoffmann, W. E. Some aquatic Hemiptera having only four nymphal stages. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 93–94.

1336.—Hoffmann, W. E. Collecting *Microvelia* in Hawaii. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 132–133. [Hem.]

1336a.—Hoffmann, W. E. The life history of *Velia watsoni* Drake (Heteroptera, Veliidae). Canad. Ent., Orillia **57** 1925 pp. 107–112.

1337.—Hoffmann, W. E. Notes on collecting *Microvelia* (Heteroptera, Veliidae). China J. Sci. & Arts, Shanghai **3** 1925 pp. 606–608.

1338.—Hoffmann, W. E. A new species of *Nepa* from South China (Heteroptera, Nepidae). Lingnaam Agric. Rev., Canton **3** 1925 p. 39.

1339.—Hoffmann, W. E. The biology of a common Chinese water-strider (Heteroptera, Gerridae). Lingnaam Agric. Rev., Canton **3** 1925 pp. 48–63 1 table.

1340.—Hoffmann, W. H. Demonstraciones sobre un insecto transmisor de enfermedades (*Rhodnius prolixus*, Reduviidae). Mem. Soc. cubana Hist. nat., Havana **6** 1924 pp. 121–125. [Hem.]

1341.—Hoffmann, W. H. Demonstracion de un nuevo cilindro para la colleccion de Lepidopteros. Mem. Soc. cubana Hist. nat., Havana **6** 1924 pp. 165–166, 1 pl.

1342.—Hoffmann, W. H. Beobachtungen zur Biologie von *Triatoma flavida*. Arch. Schiffs- u. Tropen-Hygiene, Leipzig **29** 1925 Beiheft 1 pp. 159–163 1 pl. [Hem.]

1343.—Hoffmeyer, E. B. Bemaerkninger om danske Galhvespe. Ent. Medd., Copenhagen **16** 1925 pp. 1–8. [Hym.]

1344.—Hofmänner, B. Die Hemipterenfauna des schweizerischen Nationalparkes (Heteropteren und Cicadinen). Denkschr. schweiz. naturf. Ges., Zurich **60** 1924 pp. 1–88, 2 pls.

1345.—Hofmänner, B. Beiträge zur Kenntnis der Oekologie und Biologie der schweizerischen Hemipteren (Heteropteren und Cicadinen). Rev. suisse Zool., Geneva **32** 1925 pp. 181–206.

1346.—Hoke, G. A Diaspine with legs (Homoptera, Coccidae). Proc. Ent. Soc. Washington **27** 1925 pp. 36–39 1 pl.

1347.—Holik, O. *Zyg. ephialtes* L. und ihre Formen. Zs. österr. Ent.-Ver., Vienna **4** 1919 pp. 103–104, 111–112. [Lep.]

1348.—Holland, W. J. & **Schaus,** W. The Epipaschiinae of the Western Hemisphere; a synonomic catalog of the species hitherto described, with figures of many, which have not heretofore been depicted. Ann. Carnegie Mus., Pittsburg **16** 1925 pp. 49–130, 7 pls., 13 figs. [Lep.]

1349.—Hollande, C. Les cellules à urates des Acridiens Orthoptères et la genèse de ces urates. C.R. Acad. Sci., Paris **181** 1925 pp. 1175–1176.

1350.—Holmberg, E. I. Apidae Argentinae. Generis *Psaenythia* Gerstaecker, exoticis inclusis. An. Mus. nac. Hist. nat. Buenos Aires **31** 1923 pp. 249–354. [Hym.]

1351.—Hood, J. D. Four new Thysanoptera from Africa. Proc. Ent. Soc. Washington **27** 1925 pp. 8–12.

1352.—Hood, J. D. Six new Thysanoptera from the western United States. Ent. News, Philadelphia **36** 1925 pp. 101–105, 134–138.

1353.—Hood, J. D. Four new Phloeothripidae (Thysanoptera) from New York. Bull. Brooklyn Ent. Soc., **20** 1925 pp. 26–32.

1354.—Hood, J. D. New species of *Frankliniella* (Thysanoptera). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 71–82 1 pl.

1355.—Hood, J. D. Notes on New York Thysanoptera, with descriptions of new genera and species. I. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 124–130 1 pl.

1356.—Hood, J. D. New neotropical Thysanoptera collected by C. B. Williams. Psyche, Boston **32** 1925 pp. 48–69.

1357.—Hood, J. D. Four new Phloeothripidae from the United States (Thysanoptera). Canad. Ent., Orillia **57** 1925 pp. 218–222.

1358.—Hood, J. D. New species of *Taeniothrips* (Thysanoptera) from Africa. Entomologist, London **58** 1925 pp. 132–139.

Hopkins, G. H. E. *see* Buxton & Hopkins.

Hopp, W. *see* Hering & Hopp.

1359.—Hopping, R. New Coleoptera from Western Canada. Canad. Ent., Orillia **57** 1925 pp. 206–208.

1360.—Hori, H. *Comibaena obsoletaria* Leach (Geometridae). [In Japanese.] Insect World, Gifu **29** 1925 pp. 4–7 1 pl. [Lep.]

1361.—Hormuzaki, C. Ueber neue Formen aus der *Melitaea athalia*—Gruppe und die systematische Stellung der *M. veronicae* Dorfm. N. Beitr. syst. Insektenk., Berlin **3** 1925 pp. 69–76 4 figs. [Lep.]

1362.—Horn, W. Cicindelidae. Faune ent. Indochine française, Saigon fasc. **8** 1924 pp. 3–25, 1 pl. [Col.]

1363.—Horn, W. Eine neue *Distipsidera* aus Neu-Guinea (Col.). Ent. Mitt., Berlin **14** 1925 pp. 179–180.

1364.—Horn, W. Ueber Konvergenz-Erscheinungen bei dem Genus *Tricondyla* (Cicind. Col.). Zunächst eine neue und eine ergänzende Rassenbeschreibung von *Tricondyla macrodera* Chd. Ent. Mitt., Berlin **14** 1925 pp. 327–328.

1365.—Horn, W. Ueber 16 alte und neue Cicindeliden der Welt. Ent. Bl., Berlin **21** 1925 pp. 131–139. [Col.]

1366.—Horn, W. Bericht über den dritten Internationalen Kongress für Entomologie (Insektenkunde) in Zürich 1925. Naturwissenschaften, Berlin **13** 1925 pp. 836–838.

1367.—Horn, W. Two new Cicindelinae from Ceylon. Ent. Rec., London **37** 1925 pp. 165–166. [Col.]

1368.—Horn, W. Fauna Buruana, Coleoptera, Fam. Cicindelidae. Treubia, Buitenzorg **7** 1925 pp. 8–10.

1369.—Horn, W. On four new *Cicindelae* of the neotropical region. Rev. chil. Hist. nat., Santiago **29** 1925 pp. 180–184. [Col.]

1370.—Hornstein, K. Hybridations-Experimente im Sommer 1922. Ent. Zs., Frankfort on M. **38** 1924 pp. 7, 10–11, 19–20, 22–23. [Lep.]

1371.—Hornstein, K. Zur Biologie von *Thais polyxena* Schiff. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 35–40 1 fig. [Lep.]

1372.—Horváth, G. Hemipteren von den Aru- und Kei-Inseln. Abh. Senckenberg. nat. Ges., Frankfort on M. **35** 1919 pp. 305–314.

1373.—Horváth, G. Remarques sur trois espèces du genre *Mesovelia* M. R. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 135–136 1 fig. [Hem.]

1374.—Horváth, G. Heteroptera nova madagascariensia. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 188–194. [Hem.]

1375.—Horváth, G. Wissenschaftliche Ergebnisse der schwedischen entomologischen Reise des Herrn Dr. A. Roman in Amazonas 1914–1915. Tingitidae. Ent. Tidskr., Stockolm **46** 1925 pp. 219–220. [Hem.]

1376.—Horváth, G. Description of a new bat-bug from India. Rec. Ind. Mus., Calcutta **27** 1925 pp. 191–192 1 fig. [Hem.]

Hottes, F. C. *see* Drake & Hottes.

1377.—Houard, C. Les galles de l'Afrique Occidentale Française. VII. Notule cécidologique. Marcellia, Avellino **14** 1915 pp. 93–96, 10 figs.

1378.—Houard, C. Caractères morphologiques et anatomiques des Zoocécidies des bruyères. Marcellia, Avellino **15** (1916) 1917 pp. 3–57, 76 figs.

1379.—Houard, C. Cécidies Nord-Africaines. Troisième contribution. Marcellia, Avellino **15** (1916) 1917 pp. 121–132, 11 figs.

1380.—Houard, C. Les collections cécidologiques du Laboratoire d'Entomologie du Muséum d'Histoire Naturelle de Paris. Marcellia, Avellino **14** 1915 pp. 14–71, 97–131, 143–182, 308 figs.; **16** (1917) 1919 pp. 3–66, 79–102, 108–146, 305 figs.; **20** (1921–23) 1923 pp. 3–24, 122–162, 123 figs.; **21** (1924) 1925 pp. 59–93, 97–128, 165 figs.

1381.—Houard, C. La collection cécidologique du Laboratoire d'Entomologie du Muséum de Paris. C.R. Assoc. franç. Avanc. Sci., Paris **44** (1920) 1921 pp. 304–306.

1382.—Houard, C. Les zoocécidies des plantes d'Afrique, d'Asie, et d'Océanie. Nouveau catalogue de galles en cours d'impression. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 684–687.

1383.—Hough, W. S. The anal lobe of *Pseudococcus comstocki* Kuw. (Homop. Coccidae). Ent. News, Philadelphia **36** 1925 pp. 52–54 1 fig.

1384.—Hough, W. S. Biology and control of Comstock's mealy bug on the umbrella catalpa. Virginia Polytechnic Inst. Agric. Expt. Sta., Blacksburg Tech. Bull. **29** 1925 27 pp. 6 tables 5 diagrams 7 figs. [Hom.]

1385.—Hough, W. S. The internal anatomy of the clover root mealy-bug, *Trionymus trifolii*, Forbes (Homoptera, Coccidae). Bull. Ent. Res., London **16** 1925 pp. 25–29 6 figs.

1386.—Houlbert, C. & **Monnot,** E. Faune entomologique armoricaine. Coléoptères, 42e famille. Histérides. (Contd.) Bull Soc. sci. méd., Rennes **1922-23** [1922–24]; also Trav. sci. Univ. Rennes **17** 1925; sep. pp. 17–75 67 figs.

Howard, C. W. *see* Groff & Howard.

1387.—Howard, L. O. Parasitic Hymenoptera feeding by indirect suction. Ent. News, Philadelphia **36** 1925 pp. 129–133.

1388.—Howe, Jr., R. H. The distribution of New England Odonata. Proc. Boston Soc. Nat. Hist. **36** 1921 pp. 105–133.

1389.—Howe, Jr., R. H. Another instance of the northward migration of Odonata in the spring. Psyche, Boston, **32** 1925 p. 113.

1390.—Hubault, E. Contribution à la biologie du genre *Medeterus* Fischer (Dipt. Dolichopodidae). Ann. Sci. nat. (Zool.), Paris (10) **8** 1925 pp. 133–141, 9 figs.

1391.—Hubbell, T. H. A new species of *Pristoceuthophilus* from the Olympic Mountains, Washington (Orthoptera, Tettigoniidae). Pan-Pacific Ent., S. Francisco **2** 1925 pp. 39–42 1 fig.

1392.—**Hubbell, T. H.** *Melanoplus stonei* in Michigan (Orth., Acrid.). Ent. News, Philadelphia **36** 1925 pp. 168–173.

1393.—**Hubbell, T. H.** Distributional notes on North American Orthoptera-I. Florida Ent., Gainesville **9** 1925 pp. 41–45.

1394.—**Huckett, H. C.** A systematic study of the Anthomyiinae of New York with especial reference to the male and female genitalia. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **77** 1924 91 pp. 18 pls. 1 fig. [Dipt.]

1395.—**Hudson, F. & Wood, A. A.** Notes on the life-history of the lesser clover weevil (*Phytonomus nigrirostris*). 55th Ann. Rept. Ent. Soc. Ontario **1924**, Toronto 1925 pp. 71–73. [Col.]

1396.—**Hudson, G. V.** Descriptions of three new species of Lepidoptera from New Zealand. Ent. Mo. Mag., London **61** 1925 pp. 220–221.

1397.—**Huff, C. G.** The "sun-ray" structure in the posterior larval spiracles of some Muscoid flies (Diptera). Ent. News, Philadelphia **36** 1925 pp. 239–243 4 figs.

1398.—**Hull, F. M.** Notes on the North American species of the genus *Didea* with the description of a new species. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 277–280 1 pl. [Dipt.]

1399.—**Hull, F. M.** A review of the genus *Eristalis* Latreille in North America, I & II. Ohio J. Sci., Columbus **25** 1925 pp. 11–45 2 pls., 285–310 2 pls. [Dipt.]

1400.—**Hulstaert, G.** A few new Rhopalocera from Dutch New Guinea. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 443–447.

1401.—**Hungerford, H. B.** Notes on the giant water bugs (*Lethocerus* & *Benacus*—Belostomatidae Hemiptera). Psyche, Boston **32** 1925 pp. 88–91 1 pl.

1402.—**Hungerford, H. B.** Notes on some North American Corixids from the Southwest. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 17–25 2 pls. [Hem.]

1403.—**Hungerford, H. B.** A study of the *interrupta-harrisii* group of the genus *Arctocorixa* with descriptions of new species (Hemiptera-Corixidae). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 141–145 1 pl.

1404.—**Hungerford, H. B.** A new *Notonecta* from China *Notonecta suensoni* sp. nov. (Hemiptera-Notonectidae). Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 417–418.

1405.—**Hungerford, H. B.** A study of the *Notonecta mexicana* A. & S. series with descriptions of new species (Hemiptera-Notonectidae). Canad. Ent., Orillia **57** 1925 pp. 239–241 7 figs.

1406.—**Hungerford, H. B. & Beamer, R. H.** Report of collections of aquatic Hemiptera taken in Cherokee County, Kansas, and other new records from the State. Ent. News, Philadelphia **36** 1925 pp. 262–266, 295–299.

1407.—**Husain, M. A. & Pruthi, H. S.** Short note on the life-history of the mango-hoppers (*Idiocerus* spp.) in the Punjab. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 252–260. [Hem.]

1408.—**Husain, M. A. & Nath, L. D.** The life-history of *Tetrastichus radiatus*, parasitic on *Euphalerus citri*, Kuw.; and its hyperparasite. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 122–128. [Hym.]

1409.—**Hussey, R. F.** A new Hydrometrid genus from Honduras (Hemiptera). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 115–118, 1 fig.

1410.—**Hussey, R. F.** Some new or little-known Hemiptera from Florida and Georgia. J. New York Ent. Soc. **33** 1925 pp. 61–69 2 figs.

1411.—**Hustache, A.** Curculionidae Gallo-rhénans. Ann. Soc. ent. France, Paris **94** 1925 pp. 101–260 50 figs. [contd.] [Col.]

1412.—**Hustache, A.** Nouveaux *Apoderus* de l'Afrique équatoriale (Col. Curculionidae). Bull. Soc. ent. France, Paris **1925** pp. 296–299.

1413.—**Hustache, A.** Curculionidae de la faune franco-rhénane, I. Ceuthorrhynchini (suite & fin). Misc. ent., Castanet-Tolosan **28** 1925 sep. pp. 271–314. [Col.]

1414.—**Hustache, A.** Curculionides recueillis dans l'Afrique orientale par M. le Marquis Saverio Patrizi. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1924 pp. 165–169. [Col.]

415.—Hustache, A. Curculionides nouveaux de l'Afrique tropicale IV. Ann. Soc. linn. Lyon **71** (1924) 1925 pp. 16–25. [Col.]

1416.—Hustache, A. Contribution à l'étude des Ceuthorhynchini. Philipp. J. Sci., Manila **26** 1925 pp. 333–339. [Col.]

1417.—Hustache, A. Curculionides nouveaux des Philippines et l'Orient. Philipp. J. Sci., Manila **27** 1925 pp. 371–396. [Col.]

1418.—Hutchinson, C. M. Micro-anatomy of *Cimex* with special reference to the technique of Insect histology. Ind. J. Med. Res., Calcutta **12** 1925 pp. 487–498 1 pl. [Hem.]

1419.—Hutchinson, G. E. A preliminary account of the Hemiptera-Heteroptera. Nat. Hist. Wicken Fen, Cambridge **1** 2 1925 pp. 100–103.

1420.—Iglesias, F. Ipidae brazileiros. Diagnose de duas especies novas. Al o in German.] Rev. Mus., São Paulo **9** 1914 pp. 128–133 5 figs. [Col.]

1421.—Ihering, R. von. Tres Chalcididias parasitas do "Bicho do café" *Leucoptera coffeella* (Tineid.). Com algumas considerações sobre o hyperparasitismo. [Summary in German.] Rev. Mus., São Paulo **9** 1914 pp. 85–106 4 figs. [Hym.]

1422.—Ihering, R. von. *Bradypophila garbei* n. gen. n. sp. (Lepid. Fam. Pyralid.). [Summary in English.] Rev. Mus., São Paulo **9** 1914 pp. 123–127 2 figs.

1423.—Ihering, R. von. Diagnose de uma *Eucoela* (Hymenopt. Cynipidae) parasita das moscas das fructas. Rev. Mus., São Paulo **9** 1914 pp. 224–225 1 fig.

1424.—Ihering, R. von. O genero *Parachartergus* R. v. Ih. (Vespas sociaes). Rev. Mus., São Paulo **9** 1914 pp. 226–228. [Hym.]

1425.—Ihering, R. von. As especies brasileiras de Nilionidas (Coleopteros) e a posição systematica da familia, pelo estudo das larvas. [Summary in German.] Rev. Mus., São Paulo **9** 1914 pp. 281–306 4 figs.

1426.—Ihering, R. von. Mais uma especie nova do genero *Nilio* (Col.). Rev. Mus., São Paulo **9** 1914 p. 363.

1427.—Iljin, B. S. Les aberrations des Brachiniens (Coleoptera, Carabidae). [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 235–236.

1428.—Iljin, B. S. Les Brachiniens de la collection de V. Motschulsky (Coleoptera, Carabidae). [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 251–254.

1429.—Illidge, R. Note accompanying exhibit of a bag-moth (*Thyridopteryx herrichii*) case. Queensland Nat., Brisbane **5** 1925 pp. 36–38. [Lep.]

Ilse, D. *see* Kühn & Ilse.

1430.—Imms, A. D. A general text-book of Entomology. London, Methuen & Co. Ltd., 1925 xii + 698 pp. 607 figs.

1431.—Ingram, A. & **Macfie,** J. W. S. New Ceratopogoninae from Nyasaland (Dipt.). Bull. Ent. Res., London **15** 1925 pp. 283–288 3 figs.

1432.—Isaac, P. V. Papers on Indian Tabanidae, IV–VII. Mem. Dept. Agric. India, Calcutta Ent. Ser. **8** 1925 pp. 93–109 5 pls. 7 figs. [Dipt.]

1433.—Isaac, P. V. The bionomics and life-histories of some of the common Tabanidae of Pusa. Mem. Dept. Agric. India, Calcutta Ent. Ser. **9** 1925 pp. 21–28 6 pls. [Dipt.]

1434.—Isaac, P.V. Some observations on the life-history and habits of *Phycus brunneus*, Wied. (Family Therevidae). Mem. Dept. Agric. India, Calcutta Ent. Ser. **9** 1925 pp. 29–30 1 pl. [Dipt.]

1435.—Isaac, P. V. The South Andaman coconut slug-caterpillar (*Thosea unifascia*, Wlk.). Agric. J. India, Calcutta **20** 1925 pp. 373–379 2 pls. [Lep.]

1436.—Ishii, T. New Encyrtinae from Japan. Imp. Plant Quar. Serv., Yokohama Tech. Bull. **3** 1925 pp. 21–30 1 pl. [Hym.]

1437.—Isshiki, S. Catalogue of Japanese Tortricina. Dobuts. Z. [Zool. Mag.], Tokyo **34** 1922 pp. 282–292. [In Japanese.] [Abstract in Jap. J. Zool., Tokyo **1** 1924 p. (63).] [Lep.]

1438.—Iwanowa, S. A. Zur Frage über die Spermatophorbefruchtung bei den Acridodea (*Locusta migratoria* L.). Zool. Anz., Leipzig **65** 1925 pp. 75–86 10 figs.

1439.—Iwase, T. On the colour-relation between the pupae of the Papilionidae. Konchû Sekai [Insect World), Gifu **26** 1922 pp. 14–15. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (104).) [Lep.]

1440.—Iwase, T. Butterflies found on Mt. Takao. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 83–88 1 fig. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (105).) [Lep.]

1441.—Iyengar, M. O. T. Occurrence of a Coprid beetle, *Caccobius mutans*, Sharp, in the human intestines. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 201–202 1 pl. [Col.]

1442.—Iyengar, M. O. T. The life-history of a Tingid bug. *Monanthia globulifera*. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 296–299 2 pls. [Hem.]

1443.—Jablonowski, J. Ist der Getreideschmalkäfer, *Silvanus surinamensis* L., ein Getreideschädling? Zs. angew. Ent., Berlin **11** 1925 pp. 76–112. [Col.]

1444.—Jacobs, W. Ueber drei seltenere deutsche Käfer. Ent. Zs., Frankfort on M. **38** 1925 p. 109. [Col.]

1445.—Jacobs, W. Ueber den Gattungsnamen *Cardiola* Muls. et Rey (Col.). Ent. Zs., Frankfort on M. **38** 1925 p. 82.

1446.—Jacobson, E. Der Farbenwechsel der Augen bei Mantiden. Treubia, Buitenzorg, **6** 1925 p. 173. [Orth.]

1447.—Jacobson, G. De genere *Mylassa* Stål (Coleoptera, Chrysomelidae). [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 257–258.

1448.—Jacobson, G. Annotationes synonymicae et systematicae de Coleopteris. [Also in Russian.] Rev. russe Ent., Leningrad **18** 1924 pp. 237–244.

1449.—Jacobson, G. De Chrysomelidis palaearcticis. Descriptionum et annotationum series II. Rev. russe Ent., Leningrad **19** 1925 pp. 6–16. [Col.]

1450.—Jaczewski, T. Revision of the Polish Corixidae. Ann. zool. Mus. polonici Hist. nat., Warsaw **3** 1924 pp. 1–98 3 pls. 109 figs. [Hem.]

1451.—Jaczewski, T. A new species of Corixidae from Manchuria. Ann. zool. Mus. polonici Hist. nat., Warsaw **3** 1924 pp. 151–154 1 pl. [Hem.]

1452.—Jaczewski, T. Contributions to the knowledge of some West-European Heteroptera, chiefly Corixidae. Ann. zool. Mus. polonici Hist. nat., Warsaw **4** 1925 pp. 126–140 19 figs.

James, S. P. *see* Edwards & James.

1453.—Janisch, E. Ueber die Temperaturabhängigkeit biologischer Vorgänge und ihre kurvenmässige Analyse Pflügers Arch. ges. Physiol., Bonn **209**. 1925 pp. 414–436, 14 figs. [Not seen.]

Janisch, R. *see* Blunck & Janisch.

1454.—Janson, O. E. Descriptions of new species of Cetoniidae from Madagascar and some notes on synonymy, etc. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 586–590. [Col.]

1455.—Janssens, F. A. La chiasmatypie dans les insectes. Cellule, Louvain **34** 1924 pp. 136–359, 21 pls., 19 figs.

1456.—Jansson, A. Coleopterologiska bidrag. 10–12. Ent. Tidskr., Stockholm **46** 1925 pp. 85–95.

1457.—Jarvis, E. The exoskeleton in *Lepidoderma* as an influencing factor in the economy and control of our grey-back cockchafer. Queensland Agric. J., Brisbane **23** 1925 pp. 244–248 1 pl. [Col.]

1458.—Jarvis, E. On the vestiture of cane-beetles. Queensland Agric. J., Brisbane **23** 1925 pp. 463–466 1 pl. [Col.]

1459.—Jeannel, R. Coléoptères. XVI. Silphidae. Voy. Alluaud et Jeannel Afr. orient. (1911–1912), Paris 1921 pp. 231–241, 19 figs. [Col.]

1460.—Jeannel, R. Revision des *Choleva* Latreille, pour servir à l'histoire du peuplement de l'Europe. L'Abeille, Paris **32** 1923 pp. 1–160 237 figs. [Col.]

1461.—Jeannel, R. Monographie des Bathysciinae. Arch. Zool., Paris **63** 1924 pp. 1–436, 498 figs. [Col.]

1462.—Jeannel, R. Coléoptères nouveaux de Catalogne. Publ. Junta Ciên. nat., Barcelona **4** no. 8 1924 18 pp. 8 figs.

1463.—Jeannel, R. Sur la morphologie et l'origine des ongles du tarse des insectes. C.R. Acad. Sci., Paris **180** 1925 pp. 961–963.

1464.—Jeannel, R. L'aptérisme chez les insectes insulaires. C.R. Acad. Sci., Paris **180** 1925 pp. 1222–1224.

1465.—Jeannel, R. Sur les homologies des articles de la patte des insectes. C.R. Acad. Sci., Paris **180** 1925 pp. 1867–1869.

1466.—Jeannel, R. Risultati scientifici della spedizione Ravasini-Lona in Albania. VIII. Carabidae, Trechinae. [In French.] Boll. Soc. ent. ital., Genoa **57** 1925 pp. 23–25. [Col.]

1467.—Jedlička, A. Revision der mitteleuropaischen *Poecilus* Arten aus der Gruppe *koyi-marginalis*. Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 55–56. [Col.]

1468.—Jeffrey, E. C. *Drosophila* and the mutation hypothesis. Science, New York **62** 1925 pp. 3–5. [Dipt.]

1469.—Jeffrey, E. C. & **Hicks,** G. C. The reduction division in relation to mutation in plants and animals. Amer. Nat., New York **59** 1925 pp. 410–426, 8 figs. [Dipt.]

1470.—Jewett, H. H. The grape leafhoppers of Bluegrass Kentucky. Kentucky Agric. Expt. Sta., Lexington Bull. **254** 1924 130 pp. [Hom.]

1471.—Joannis, J. de. Une nouvelle espèce de Noctuelle du genre *Palluperina* Hampson (*Luperina, Apamea,* auct.) appartenant au groupe de *testacea,* Schiff. Ann. Soc. ent. France, Paris **94** 1925 pp. 31–38 1 pl. [Lep.]

1472.—Joannis, J. de. *Spodoptera abyssinia* Gn. et *Spodoptera cilium* Gn. sont deux espèces distinctes. Bull. Soc. ent. France, Paris **1925** pp. 207–209. [Lep.]

1473.—Joannis, J. de. Une nouvelle espèce de *Raghuva* Moore (Lep. Noctuidae, Agrotinae) d'Afrique occidentale. Bull. Soc. ent. France, Paris **1925** pp. 257–260.

1474.—Joannis, J. de. Sur la synonymie de quelques espèces du genre *Psara* Snell. (Lep. Pyralidae Agroterinae). Bull. Soc. ent. France, Paris **1925** pp. 286–290.

1475.—Johannsen, O. A. A new Sciarid from the Eastern United States (Dipt.; Mycetophilidae). Ent. News, Philadelphia **36** 1925 pp. 266–267.

1476.—John, O. Ein neuer *Haplothrips* aus Ferghana nebst Verzeichnis der bisher in Russland gefundenen Thysanopteren. Ent. Mitt., Berlin **14** 1925 pp. 17–25.

1477.—Johnson, C. W. A new species of the genus *Gaurax*. Psyche, Boston **32** 1925 p. 47. [Dipt.]

1478.—Johnson, C. W. The North American varieties of *Volucella bombylans* Linn. Psyche, Boston **32** 1925 pp. 114–117. [Dipt.]

1479.—Johnson, C. W. New species of Diptera from North Carolina and Florida. Psyche, Boston **32** 1925 pp. 299–302.

1480.—Johnston, H. B. A note on locusts. Sudan Notes and Records, Khartoum **7** 1924 pp. 91–101 2 pls.

1481.—Joicey, J. J. & **Talbot,** G. Notes on some Lepidoptera with descriptions of new forms. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 633–653.

1482.—Jones, F. M. North American Psychids: *edwardsii* Heyl. (*carbonaria* Pack.) (Lepidoptera, Psychidae). Ent. News, Philadelphia **36** 1925 pp. 33–39 2 pls.

1483.—Jones, F. M. *Hyaloscotes fumosa* Butler (Lepidoptera, Psychidae). Ent. News, Philadelphia **36** 1925 pp. 161–164 1 pl.

1484.—Jones, H. P. The Hymenoptera Aculeata of Hampshire. Ent. Rec., London **37-38** 1925–26 sep. pp. 1–13.

1485.—Jong, W. H. de. Een studie over Emelten en hare bestrijding. Versl. & Meded. Plantenziektenk. Dienst, Wageningen no. **42** 1925 126 pp. 3 figs. 2 pls. [Dipt.]

1486.—Jordan, K. Les Anthribides de l'Indochine. Faune ent. Indochine française, Saigon fasc. **6** 1923 pp. 71–113. [Col.]

1487.—Jordan, K. New Siphonaptera. Nov. Zool., Tring **32** 1925 pp. 96–112, 46 figs.

1488.—**Jordan,** K. Siphonaptera collected by Rear-Admiral H. Lynes in Darfur in 1920 to 1922. Nov. Zool., Tring **32** 1925 p. 113.

1489.—**Jordan,** K. New Oriental Zygaenidae. Nov. Zool., Tring **32** 1925 pp. 230–237. [Lep.]

1490.—**Jordan,** K. Five new Indian Anthribidae. Nov. Zool., Tring **32** 1925 pp. 239–241. [Col.]

1491.—**Jordan,** K. Anthribidae from the Eastern Hemisphere. Nov. Zool., Tring **32** 1925 pp. 242–257. [Col.]

1492.—**Jordan,** K. On *Delias belladonna* and allied species (Lep. Rhop.). Nov. Zool., Tring **32** 1925 pp. 277–287, 8 figs.

1493.—**Jordan,** K. On some subspecies of African *Charaxes.* Nov. Zool., Tring **32** 1925 pp. 288–289. [Lep.]

1494.—**Jordan,** K. New Anthribidae collected by J.C. Corporaal on Sumatra. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 257–264. [Col.]

1495.—**Jordan,** K. On the position of *Urodon,* a genus of Coleoptera. Trans. Ent. Soc. London **1924** 1925 pp. xcviii–xcix.

1496.—**Jorgensen,** P. Observaciones biologicas de Lepidopteros Sudamericanos. Rev. Soc. cient. Paraguay, Asuncion **1** 1924 pp. 84–89.

1497.—**Jorgensen,** P. Sobre dos casos de hermafroditismo en las mariposas (Lep.). Rev. Soc. cient. Paraguay, Asuncion **1** 1924 pp. 89–90.

1498.—**Jörger,** —. Von der *Carabus*-Hybride der Churer Gegend. Schweiz. ent. Anz., Zürich **4** 1925 pp. 33–34. [Col.]

1499.—**Joseph,** H. Aberration, Missbildung und Familien-ähnlichkeit. Verh. zool.-bot. Ges., Vienna **69** 1919 pp. (45)–(56) 7 figs. [Lep.]

1500.—**Jucci,** C. Bivoltinismo e partenogenesi nei bachi da seta (*Bombyx mori*). Atti Accad. Lincei, Rome Rendiconti Cl. Sci. fis. mat. nat. (5) **33** 2° sem. 1924 pp. 345–348. [Lep.]

1501.—**Jucci,** C. Sul comportamento ereditario del tipo di svilluppo larvale negli incroci tra bachi da seta a tre e a quattro mute. Atti Accad. Lincei, Rome Rendiconti Cl. Sci. fis. mat. nat. (6) **2** 1925 pp. 66–68. [Lep.]

1502.—**Jucci,** C. La terza generazione di incroci tra bachi da seta a tre e a quattro mute. Il "numero delle mute" non è dunque un carattere unitario mendeliano. Atti Accad. Lincei., Rome Rendiconti Cl. Sci. fis. mat. nat. (6) **2** 1925 pp. 136–139 1 fig. [Lep.]

1503.—**Jucci,** C. Il problema dei reali veri del *Reticulitermes lucifugus.* Boll. Soc. ent. ital., Genoa **57** 1925 pp. 98–103. [Isopt.]

1504.—**Jucci,** C. Irregolarità di ovificazione in femmine vergini di *Bombyx mori.* Ann. Scuola sup. Agric., Portici (2) **20** 1925 7 pp. [Lep.]

1505.—**Jucci,** C. Sui fenomeni di sviluppo partenogenetico nelle uova di *Bombyx mori* di razza bivoltina (Awojiku) di prima e di seconda generazione. Ann. Scuola sup. Agric., Portici (2) **20** 1925 9 pp. 1 pl. [Lep.]

1506.—**Jüngling,** G. Etwas über Abendfang an Blumen. Ent. Zs., Frankfort on M. **39** 1925 p. 8.

Junk, W. Coleopterorum Catalogus. *see* Schenkling, Pic, Knisch.

1507.—**Jureček,** S. *Cerambyx elbursi* n. sp. prope *multiplicatus* Motsch. (Col.). [With French Summary.] Časopis českoslov. společ. ent., Prague **21** 1924 p. 47 2 figs.

1508.—**Just,** G. Untersuchungen über Faktorenaustausch. I. Untersuchungen zur Frage der Konstanz der Crossing-over-Werte. Zs. Indukt. Abstammgslehre, Berlin **36** 1925 pp. 95–159, 19 tables, 17 figs. [Dipt.]

1509.—**Just,** G. Der Nachweis von Mendel-Zahlen bei Formen mit niedriger Nachkommenzahl. Eine empirische Prüfung der Geschwister- und Probanden-methode Weinbergs auf Grund von Kreuzungs-versuchen mit *Drosophila melanogaster.* Zweiter Teil. Arch. Entwicklungsmech., Berlin **105** 1925 pp. 302–329. [Dipt.]

1510.—**Kahn,** R. H. Kopftransplantation an *Carausius morosus.* Zool. Anz., Leipzig **62** 1925 pp. 75–79.

1511.—Kaiser, O. Das natürliche Hitze experiment der Jahre 1911 und 1912. Mitt. münchn. ent. Ges., Munich **9** 1919 pp. 12–14 figs. [Lep.]

1512.—Kaiser, O. Der Zeitsinn der Schmetterlingspuppen. Mitt. münchn. ent. Ges., Munich **9** 1919 pp. 33–35. [Lep.]

1513.—Kaiser, O. Eine Monstrosität von *Philosamia cynthia.* Mitt. münchn. ent. Ges., Munich **9** 1920 pp. 64–65 fig. [Lep.]

1514.—Kammel, J. E. Neue Abarten von *Lignyoptera fumidaria* Hb. Zs. ősterr. Ent.-Ver., Vienna **1** 1917 pp. 25–26. [Lep.]

1515.—Kammel, J. E. *Parnassius apollo* L. im Allgemeinen und die neiderősterreichischen Rassen im Besonderen. Zs. ősterr. Ent.-Ver., Vienna **2** 1917 pp. 7–10, 17–19. [Lep.]

Kammel, J. E. *see* Kunz & Kammel.

1516.—Kano, T. Addition to the Carabideous fauna of Hokkaido. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 125–126 ; **27** 1923 pp. 48–50. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (105).) [Col.]

1517.—Kano, T. On some butterflies of the Japanese Alps. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 405–408. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (106).) [Lep.]

1518.—Kano, T. List of Cicindelid and Carabid Insects of Corea. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 377–384. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (109).) [Col.]

1519.—Karavaev, V. Formicidae [from the Arctic Ural, 1909]. [In Russian.] Mém. Acad. imp. Sci., Petrograd Cl. phys.-math. (8) **28** no. 17 1916 4 pp. [Hym.]

1520.—[Karavaev, V.] **Karawaiew,** W. Ponerinen (Fam. Formicidae) aus dem Indo-Australischen Gebiet. Konowia, Vienna **4** 1925 pp. 69–81, 115–131, 276–296 14 figs. [Hym.]

1521.—Karny, H. Der Insektenkörper und seine Terminologie. Vienna 1921, 93 pp. 45 figs.

1522.—Karny, H. H. Iets over de plooivleugelige Insekten. Tropische Natuur, Batavia **1924** pp. 113–122 10 figs. [Col.]

1523.—Karny, H. H. Monographie der Phyllophorinen. Treubia, Buitenzorg **5** (Supplement) 1924 142 pp. 40 figs. 4 pls. [Orth.]

1524.—Karny, H. H. Die Gryllacriden von Neu-Guinea. Nova Guinea, Leyden **15** 1924 pp. 9–17. [Orth.]

1525.—Karny, H. H. Fauna Buruana. Orthoptera, Fam. Gryllacridae. Treubia, Buitenzorg **7** 1925 pp. 41–84 7 figs. 3 pls. 1 map.

1526.—Karny, H. H. Die an Tabak auf Java und Sumatra angetroffenen Blassenfüsser (Thysanoptera). Bull. Deli Proefstation, Medan, Sumatra no. **23** 1925 55 pp. 20 figs.

1527.—Karny, H. H. Cricket-locusts (Gryllacridae), chiefly from the Philippine Islands. Philipp. J. Sci., Manila **28** 1925 pp. 131–167 10 pls. [Orth.]

1528.—Karny, H. H. On a new *Phloeothrips* (Thysanoptera) from Norfolk Island. Rec. S. Aust. Mus., Adelaide **3** 1925 pp. 37–39 1 fig.

1529.—Karny, H. H. Einiges über die Gryllacrisarten des Typus IV. Zs. wiss. Zool., Leipzig **125** 1925 pp. 35–54, 9 figs. [Orth.]

1530.—Karny, H. H. Results of Dr. E. Mjöberg's Swedish scientific expeditions to Australia 1910–1913. 38. Thysanoptera. Ark. Zool., Stockholm **17a** no. 2 1924 pp. 1–56 6 pls. 9 figs.

1531.—Karny, H. H. Ueber *Phloeothrips sanguinolentus* Bergroth nebst einer Revision der Diceratothripinen-genera. Not. ent., Helsingfors **5** 1925 pp. 77–84, 1 fig. [Thysanopt.]

1532.—Karny, H. H. On some tropical Thysanoptera. Bull. Ent. Res., London **16** 1925 pp. 125–142 12 figs.

1533.—Karny, H. H. Malaysian Gryllacridae. J. F. M. S. Mus., Kuala Lumpur, **13** 1 1925 pp. 1–67, 2 pls., 30 figs. [Orth.]

1534.—Kato, M. On the elytra of the Coleoptera. Taiwan Hakub. K. [Trans. N.H. Soc. Formosa], Taihoku **13** 1923 pp. 174–177. [In Japanese.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (104).)

1535.—Kato, M. Japanese Cicadidae with descriptions of new species. [In Japanese and English.] Trans. Nat. Hist. Soc. Formosa, Taihoku **15** 1925 pp. 1–46, 55–76, 92–101, 3 pls. [Hom.]

1536.—Katz, D. Kleine Beiträge zur angewandten Tierpsychologie. Zs. Psychol., Leipzig **93** 1923 pp. 283–286. [Dipt.]

1537.—Kautz, H. Ueber Korsische Formen von *Larentia bilineata* L. Mitt. münchn. ent. Ges., Munich **12** 1922 p. 16. [Lep.]

1538.—Kaye, W. J. A catalogue of the Trinidad Lepidoptera Rhopalocera (Butterflies). Mem. Dept. Agric. Trinidad and Tobago, Trinidad **2** 1921 163 pp. 1 pl.

1539.—Kaye, W. J. New species and subspecies of Trinidad Rhopalocera and Heterocera. Trans. Ent. Soc. London **1924** 1925 pp. 413–428 1 pl. [Lep.]

1540.—Kaye, W. J. The forms of *Heliconius numata, H. hecate* and *H. silvana.* Trans. Ent. Soc. London **1924** 1925 pp. cxxxii–cxxxvi. [Lep.]

1541.—Kaye, W. J. The types of the Ithomiine butterflies *Melinaea mneme* Linn., and *M. crameri* Godm. Trans. Ent. Soc. London **1925** pp. xxii–xxiii. [Lep.]

1542.—Kehrmann, F. Neue Entdeckungsreisen ins Land der Lycaeniden. Schweiz. ent. Anz., Zürich **4** 1925 pp. 69–71 3 figs. [Lep.]

1543.—Keilholz, —. Massenzüge von Libellen. Ent. Zs., Frankfort on M. **39** 1925 pp. 38–39. [Odon.]

1544.—Keilin, D. On cytochrome, a respiratory pigment common to animals, yeast, and higher plants. Proc. R. Soc., London (B.) **98** 1925 pp. 312–339 6 figs.

1545.—Kéler, S. Kilka wyjasnień w sprawie drwalnika znaczonego *Xyloterus signatus* F.) (Some explanation concerning the barkbeetle: *Xyloterus signatus* F.) Kosmos, Lemberg **46** 1921 pp. 100–104 3 figs. [Col.]

1546.—Kéler, S. Ein Versuch der Anwendung mathematisch-statistischer Methoden auf die entomologische Systematik mit Beschreibung einer neuen Borkenkäferart *Ips fejferi* n. sp. und Bermerkungen über *Ips erosus* Woll. Polsk. Pismo ent., Lemberg **4** 1925 pp. 149–196 4 pls. 4 diagrs. 30 tables. [Col.]

1547.—Kemner, N. A. Vilka jordlopper deltaga i de vanliga jordloppsangreppen. [The most common species of Scandinavian flea-beetles.] Nordisk Jordbruksforskning, Kristiania **1923** pp. 453–457. [Col.]

1548.—Kemner, N. A. *Litomastix aestivalis* Mercet, en ny parasitstekel kläckt i Sverige ur *Hadena monoglypha.* Ent. Tidskr., Stockholm **46** 1925 pp. 57–60 2 figs. [Hym.]

1549.—Kemner, N. A. Zur Kenntnis der Staphyliniden-Larven. I. Die Larven der Tribus Proteinini und Diglossini. Ent. Tidskr., Stockholm **46** 1925 pp. 61–77, 2 figs., 2 pls. [Col.]

1550.—Kemner, N. A. Javanische Termitophilen. I. Ent. Tidskr., Stockholm **46** 1925 pp. 107–126 3 figs. 1 pl. [Col.]

1551.—Kemner, N. A. Weitere Beobachtungen über das genus *Gnathotermes* Holmgr., das sich als auf parasitierte *Termes*-Individuen begründet erwiesen hat. Ent. Tidskr., Stockholm **46** 1925 pp. 157–163 3 figs. [Isopt.]

1552.—Kemner, N. A. *Oeciacus hirundinis* Jen. Svalans vägglus i Sverige. Ent. Tidskr., Stockholm **46** 1925 pp. 225–227, 2 figs. [Hem.]

1553.—Kemper, H. Morphogenetische Untersuchung des Tracheensystems von *Psychoda phalaenoides* (Diptera). Zool. Inst. Westf. Wilhelms-Univ. Münster i. W. 1925 Diss. 34 pp. 8 figs.

1554.—Kennedy, C. H. The ecological relationships of the dragonflies of the Bass Islands of Lake Erie. Ecology, Brooklyn **3** 1922 pp. 325–336, 6 figs. [Odon.]

1555.—Kennedy, C. H. The distribution of certain insects of reversed behavior. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 390–401. [Ephem., Odon.]

1556.—Kennedy, C. H. New genera of Megapodagrioninae with notes on the subfamily. Bull. Mus. Comp. Zoöl., Cambridge, Mass. **67** 1925 pp. 291–311, 1 pl. [Odon.]

1557.—Kern, P. Beiträge zur Biologie der Caraben, II. Ent. Bl., Berlin **21** 1925 pp. 114–119. [Col.]

1558.—Kessel, Q. C. A synopsis of the Streblidae of the world. J. New York Ent. Soc. **33** 1925 pp. 11–33 4 pls. [Dipt.]

Kharitonov, D. E. *see* Haritonov, D. E.

1559.—Kiefer, H. Eine neue Form von *Pieris brassicae* L. Zs. österr. Ent.-Ver., Vienna **3** 1918 p. 122 1 fig. [Lep.]

1560.—Kiefer, H. Beitrag zur Variabilität von *Melitaea cynthia* Hb. und *aurelia* Nick. Zs. österr. Ent.-Ver., Vienna **3** 1918 pp. 108–110. [Lep.]

1561.—Kiefer, O. Jugend und Entomologie. Ent. Zs., Frankfort on M. **39** 1925 pp. 125–126.

1562.—Kieffer, J. J. Notes sur quelques Chironomides étranges habitant les lacs du Sleswig-Holstein. C.R. Assoc. franç. Avanc. Sci., Paris **44** (1920) 1921 pp. 327–331. [Dipt.]

1563.—Kieffer, J. J. Chironomides nouveaux ou peu connus de la région paléarctique. Bull. Soc. Hist. nat. Moselle, Metz **29** 1921 pp. 51–109. [Dipt.]

1564.—Kieffer, J. J. Chironomides nouveaux ou rares de l'Europe centrale. Bull. Soc. Hist. nat. Moselle, Metz **30** 1924 pp. 11–110. [Dipt.]

1565.—Kieffer, J. J. Quelques nouveaux Chironomides piqueurs de l'Europe centrale. Arch. Inst. Pasteur, Algiers **2** 1924 pp. 391–408 9 figs. [Dipt.]

1566.—Kieffer, J. J. Deux nouveaux genres des groupes *Corynoneura* et *Bezzia* (Dipt. Chironomidae). Ann. Soc. ent. France, Paris **94** 1925 p. 54.

1567.—Kieffer, J. J. Description de deux Chironomides remarquables d'Esthonie (Dipt.). Bull. Soc. ent. France, Paris **1925** pp. 15–16.

1568.—Kieffer, J. J. Quatre nouveaux représentants du genre *Thienemanniella* Kieff. (Dipt. Chironomidae). Bull. Soc. ent. France, Paris **1925** p. 285.

1569.—Kieffer, J. J. Faune de France **11.** Diptères (Nématocères piqueurs): Chironomidae, Ceratopogoninae. Paris 1925 139 pp. 83 figs.

1570.—Kieffer, J. J. Nouveaux représentants de la tribu des Orthocladiariae (Diptères Chironomides). Ann. Soc. sci. Bruxelles **44** 1925 C.R. pp. 382–388.

1571.—Kieffer, J. J. Nouveaux représentants du groupe *Tanytarsus* (Diptères Chironomides) de l'Europe centrale. Ann. Soc. sci. Bruxelles **44** 1925 C.R. pp. 218–227.

1572.—Kieffer, J. J. Chironomides capturés sur les bords de la mer baltique. Ann. Soc. sci. Bruxelles **44** 1925 C.R. pp. 227–330. [Dipt.]

1573.—Kieffer, J. J. Deux genres nouveaux et plusieurs espèces nouvelles du groupe des Orthocladiariae (Diptères, Chironomides). Ann. Soc. sci. Bruxelles **44** 1925 C.R. pp. 555–566.

1574.—Kieffer, J. J. Chironomides de la république Argentine. Ann. Soc. sci. Bruxelles **44** 1925 Mém. pp. 73–92. [Dipt.]

1575.—Kieffer, J. J. Ein neuer, von Prof. Dr. Friedrichs gezüchteter Embiidenparasit (Bethylid., Hym.). Ent. Mitt., Berlin **14** 1925 pp. 236–237.

1576.—Kieffer, J. J. Chironomides d'Egypte (Dipt.). Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 244–313 24 figs.

1577.—Killington, F. J. Notes on the prey of dragonflies. Entomologist, London **58** 1925 pp. 181–183.

1578.—Kinel, J. & **Noskiewicz,** J. Zapiski entomologiczne z Kasowej Góry. (Notices entomologiques de Kasowa Góra.) Kosmos, Lemberg **49** 1924 pp. 128–134.

1579.—Kinoshita, S. On *Onychiurus yagii* Kinoshita and *folsomi* Schaffer. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 75–79 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (107).) [Collem.]

Kinoshita, E. *see* Niijima & Kinoshita.

1580.—Kirby, Jr., H. *Cryptotermes hermsi* sp. nov. a Termite from Fanning Island. Univ. California Pubns. Zool., Berkeley **26** 1925 pp. 435–441 12 figs. [Isopt.]

1581.—Kiritchenko, A. N. Hemiptera-Heteroptera [from the Arctic Ural, 1909]. Mém. Acad. imp. Sci., Petrograd Cl. phys.-math. (8) **28** no. 19 1916 11 pp. 2 figs.

1582.—Kiritchenko, A. N. Hemiptera-Heteroptera turanica nova, IV. Rev. russe Ent., Leningrad **19** 1925 pp. 1–6.

Kirk, H. B. *see* Champlain, Kirk & Knull.

1583.—Kirkpatrick, T. W. Preliminary notes on the determination of Egyptian mosquitos, with descriptions of three species new to science. Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 362–388 3 pls. [Dipt.]

1584.—Kirkpatrick, T. W. The mosquitoes of Egypt. Anti-malaria Comm. Egyptian Govt., Cairo 1925 224 pp. 2 maps 24 pls. 146 figs. [Dipt.]

1585.—Kitt, M. *Colias edusa* F. Zs. österr. Ent.-Ver., Vienna **9** 1924 pp. 8–20. [Lep.]

1586.—Kitt, M. Neue Lepidopteren-Formen. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 27–29 7 figs.

1587.—Kleine, R. *Henarrhenodes roseni*, eine neue Brenthide (Col.) aus der Zool. Staatssammlung zu München. Mitt. münchn. ent. Ges., Munich **10** 1920 pp. 9–11, figs.

1588.—Kleine, R. Die Deckenzeichnungen der Brenthidae. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 1–83, 65 figs. [Col.]

1589.—Kleine, R. Die Gattung *Orychodes* Pascoe und ihr Verwandtschaftskreis. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 9 pp. 62–102, 25 figs. [Col.]

1590.—Kleine, R. Beiträge zur Kenntnis der Brenthidenfauna von Madagaskar. Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 8 pp. 190–197, 5 figs. [Col.]

1591.—Kleine, R. Drei neue Lyciden genera des orientalischen Gebietes. 8. Beitrag zur Kenntnis der Lycidae. Stettin. ent. Ztg., **85** (1924) 1925 pp. 133–136, 11 figs. [Col.]

1592.—Kleine, R. Die Gattung *Macrolycus* C. O. Wtrh. (5. Beitrag zur Kenntnis der Lycidae.) D. ent. Zs., Berlin **1925** pp. 325–331, 8 figs. [Col.]

1593.—Kleine, R. Ueber die Larvenminen einiger Orchestini. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 24–27, 44–53. [Col.]

1594.—Kleine, R. Sumatranische Insekten. (Beitrag II.) Ent. Mitt., Berlin **14** 1925 pp. 51–52, 2 figs. [Col.]

1595.—Kleine, R. Fauna Buruana. Coleoptera, Fam. Brenthidae, Lycidae. Treubia, Buitenzorg **7** 1925 pp. 14–37 38 figs.

1596.—Kleine, R. Dritter Beitrag zur Kenntnis der Lycidae. Die neue Gattung *Leptotrichalus*. Phil. J. Sci., Manila **28** 1925 pp. 295–309 2 pls. [Col.]

1597.—Kleine, R. Brenthiden der entomologischen Sammlung des Bureau of Science, sowie einiger neue Arten aus der Boettcher'schen Ausbeute. Phil. J. Sci., Manila **28** 1925 pp. 589–605 1 pl. [Col.]

1598.—Kleine, R. Neue Brenthiden aus Britisch Indien und den anliegenden Gebieten. Indian Forest Rec., Calcutta **11** 1925 pp. 124–170 2 pls. [Col.]

1599.—Kleine, R., **Spaeth,** F., & **Moser,** J. Wissenschaftliche Ergebnisse der Bearbeitung der Coleopteren-Sammlungen von Franklin Müller. (Beitrag I.) Ent. Mitt., Berlin **14** 1925 pp. 52–58.

Klos, R. *see* Hoffmann & Klos.

1600.—Klose, H. Ueber Waldbienenzüchtung in Lithauen und einigen Nachbargebieten. Abh. math.-naturw. Abt. bayer. Akad. Wiss., Suppl.-Bd. [5] (Beitr. Natur-u. Kulturgesch. Lithauens), Munich 1925 pp. 343–406 12 figs. 9 pls.

1601.—Kloska, T. Das Haemolymphsystem im Kopfe von *Blatta orientalis* L. Bull. intern. Acad. Sci. Cracovie Sér. B. **1924** pp. 461–467 1 pl. [Orth.]

1602.—Knab, G. Simuliidae de Chile septéntrional. An. Zool. aplic., Santiago **1** 1914 pp. 17–22 1 pl. [Dipt.]

1603.—Knaus, W. Three new forms of Coleoptera. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 182–183.

1604.—Knechtel, W. K. Thysanoptere din România. Studiu monografic. Bulet. agric., Bucarest **2-3** 1923 pp. 1–235 & viii in Supplement 53 figs. 24 pls. [Not seen.]

1605.—Knight, H. H. Scientific results of the Katmai Expedition of the National Geographic Society. XIV. Hemiptera of the family Miridae. Ohio J. Sci., Columbus **21** 1921 pp. 107–112 2 figs. [Hem.]

1606.—Knight, H. H. Descriptions of fourteen undescribed species of *Parthenicus* (Hemiptera, Miridae). Ohio J. Sci., Columbus **25** 1925 pp. 119–129.

1607.—Knight, H. H. *Neocapsus cuneatus* Distant in Arizona and Texas, with a variety described from Mississippi and North Carolina (Heteropt. Miridae). Ent. News, Philadelphia **36** 1925 pp. 78–79.

1608.—Knight, H. H. Description of a new species of *Plagiognathus* from the Eastern United States (Hem., Miridae). Ent. News, Philadelphia **36** 1925 pp. 305–306.

1609.—Knight, H. H. Descriptions of thirty new species and two new genera of North American Miridae (Hemiptera). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 33–58.

1610.—Knight, H. H. Descriptions of a new genus and eleven new species of North American Miridae (Hemiptera). Canad. Ent., Orillia **57** 1925 pp. 89-97 1 fig.

1611.—Knight, H. H. A list of Miridae and Anthocoridae from Alberta, Canada (Hemiptera). Canad. Ent., Orillia **57** 1925 pp. 181–182.

1612.—Knight, H. H. Descriptions of twelve new species of *Polymerus* from North America (Hemiptera, Miridae). Canad. Ent., Orillia **57** 1925 pp. 244–253.

1613.—Knirsch, E. Beiträge zur Kenntnis der Untergattung *Pheggomisetes* Kn. Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 62–63. [Col.]

1614.—Knirsch, E. Zwei neue subspecies des *Trechus* (*Duvalius*) *bielzi* Seidl. Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 63–66 4 figs. [Col.]

1615.—Knirsch, E. Weitere Beiträge zur blinden Coleopteren-fauna der Ledenik-Peštera. (Bulgarien.) Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 85–88 2 figs.

1616.—Knirsch, E. Ein neuer *Trechus* aus den Ostkarpathen *Trechus* (*Duv.*) *pauperculus*. Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 89–91 2 figs. [Col.]

1617.—Knisch, A. Coleopterorum Catalogus. 79. Hydrophilidae. Berlin, Junk 1924 pp. 1–306.

1618.—Knisch, A. (Op. 18). Coleoptera aus dem tropischen Amerika. Hydrophilidae (Palpicornia). Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 30 12 pp.

1619.—Knisch, A. Neue Palpicornier aus dem äquatorialen Orient. (Col. Hydrophilidae Op. 17.) Treubia, Buitenzorg **6** 1925 pp. 199–206.

1620.—Knoch, V. Köderfang. Intern. ent. Zs., Guben **18** 1925 pp. 242–244, 253–255.

1621.—Knoch, V. Einige praktische Winke für die Sammlung. Intern. ent. Zs., Guben **19** 1925 p. 38.

1622.—Knoch, V. Die Zygaenen in Schleswig-Holstein, Lübeck und im Gebiet der Niederelbe. Intern. ent. Zs., Guben **19** 1925 pp. 153–155. [Lep.]

1623.—Knop, T. *Castnia amazona* nov. spec. und *Papilio androgeus* (Cr.) nov. var. *fassli*. Ent. Zs., Frankfort on M. **39** 1925 pp. 42–43. [Lep.]

1624.—Knowles, C. H. The purple leaf-moth of coconuts in Fiji (*Levuana iridescens*, Bethune-Baker). Agric. Circ. Dept. Agric. Fiji, Suva **5** 1924 pp. 1–14 2 pls. 1 fig. [Lep.]

1625.—Knowlton, G. F. The digestive tract of *Longistigma caryae* (Harris). Ohio J. Sci., Columbus **25** 1925 pp. 244–249 1 fig. 2 pls. [Hem.]

Knull, J. N. *see* Champlain, Kirk & Knull and Champlain & Knull.

1626.—Kobmann, H. *Carabus* (*Pseudocechenus*) *pseudonothus* Krtz. Mitt. münchn. ent. Ges. Munich **15** 1925 pp. 60–63. [Col.]

1627.—Koidzumi, M. Studies on mosquitos in Formosa. [In Japanese.] Rept. Sci. Inst., Taihoku Formosa no. **8** 1920 158 pp. 3 charts 8 pls. [Dipt.]

1628.—Koidzumi, M. The Anophelines of Formosa. [In Japanese, with English summary.] Dobuts. Z. [Zool. Mag.], Tokyo **37** 1925 pp. 314–377 figs. [Dipt.] [Not seen.]

1629.—**Kolbe,** H. *Carabus*-Rassen als Leitkäfer für die Faunistik der Mark Brandenburg (Col.). Ent. Mitt., Berlin **14** 1925 pp. 314–322.

1630.—**Kolbe,** H. Beitrag zur Käfergallenkunde (*Agrilus*) und zur Kenntnis der Brutpflege unter den Insekten. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 105–110. [Col.]

1631.—**Kolbe,** H. Vergleichender Blick auf die rezente und fossile Insektenwelt Mitteleuropas, und eine Erinnerung an meine Abhandlung über "Problematische Fossilien aus dem Culm." D. ent. Zs., Berlin **1925** pp. 147–162.

1632.—**Kolbe,** H. Ueber die *Arthropterus*-Arten der australischen Paussidenfauna im Hamburger Museum, nebst Mitteilungen über Arten dieser Coleopterengattung in anderen zoologischen Museen. Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 7 pp. 21–34. [Col.]

1633.—**Kolbe,** W. Beiträge zur schlesischen Käferfauna. Jahresheft Ver. schles. Insektenk., Breslau **14** 1924 pp. 40–55. [Col.]

1634.—[**Kolosov,** Yu. M.] **Kolossoff,** J. M. Matériaux touchant l'entomofaune de l'Oural. [In Russian and French.] Bull. Soc. oural. Amis Sci. nat., Sverdlovsk [Ekaterinburg] **36** 1916 pp. 71–78; **38** 1922 pp. 21–23; **39** 1924 pp. 67–79.

1635.—[**Kolosov,** Yu. M.] Колосов, Ю. М. Initial information on the biology of the more important bark-beetles of the Ural and Siberia. [In Russian.] Ekaterinburg, 1923 12 pp. [Col.]

1636.—[**Kolosov,** Yu.] Колосов, Ю. New Aberrations of Coleoptera from the Central Ural. [In Russian.] Извест. Энт. и фитопатолог. Бюро Уральск. О-ва Любит. Естествозн. [Bull. Ent. Phytopath. Bur. Ural Soc. Nat.] Sverdlovsk [Ekaterinburg] **1925** no. 1 p. 3.

1637.—**Kopéc,** S. Experiments on the influence of the thyroid gland on metamorphosis and weight of insects. [In Polish with English summary.] Mem. Inst. nat. polon. Econ. rur. Pulawy, Krakow **5** 1924 pp. 356–378.

1638.—**Korb,** M. Über die von mir beobachteten paläarktischen Lepidopteren (Vorkommen, Lebensweise usw.). Mitt. münchn. ent. Ges., Munich **9** 1920 pp. 57–64; **11** 1921 pp. 4–14.

1639. — **Kosminsky,** P. A. Die Bildung von intersexuellen Formen bei *Stilpnotia salicis* L. unter dem Einfluss der Kälte auf das Puppenstadium. [In Russian with German summary.] Rev. zool. russe, Moscow **4** 1–2 1924 pp. 186–195 21 figs. [Lep.]

1640.—**Kosminsky,** P. A. Experimentelle Erhaltung gynandromorpher Schmetterlinge bei *Lymantria dispar* L. [In Russian with German summary.] Rev. zool. russe, Moscow **4** 1–2 1924 pp. 195–209, 9 figs. [Lep.]

1641.—**Kosminsky,** P. A. Einige Angaben über die Entwickelung der Antennen bei *Lymantria dispar* L. [In Russian with German summary.] Rev. zool. russe, Moscow **4** 3–4 1924 pp. 134–140 15 figs. [Lep.]

1642.—**Kostylev,** G. Zur Kenntnis der Gattung *Masaris* F. (Hym.). Ent. Mitt., Berlin **14** 1925 pp. 150–153 2 figs.

1643.—**Kozhevnikov,** G. A. Eine Uebergangsform zwischen Bienenkönigin und Arbeiterin. [In Russian, German summary.] Biol. Mitt. Timiriazeff, Moscow **1923** Lief. 1 pp. 1–7. [Hym.]

1644.—**Kozikowski,** A. Einige Probleme aus der Biologie des Maikäfers (Vorläufige Mitteilungen). [Also in Polish.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 3–14. [Col.]

1645.—**Kozikowski,** A. & **Kuntze,** R. Ipidologische Notizen aus Polen. [Also in Polish.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 18–23. [Col.]

1646. **Kozikowski,** A. & **Nunberg,** M. Biologisches über den Borkenkäfer *Phloeosinus thujae* Perris. Polsk. Pismo ent., Lemberg **3** 1925 pp. 134–137 3 figs. [Col.]

1647.—**Krancher,** O. Das Ueberwinterungsstadium von *Spilosoma luctifera*. Ent. Jahrb., Leipzig **3** 1894 pp. 167–169. [Lep.]

1648.—**Krancher,** O. Ein interessanter Käferfusz. Ent. Jahrb., Leipzig **3** 1894 pp. 217–219 fig. [Col.]

1649.—**Krasucki,** A. Przyczynek do poznania fawny jeziorek okolicy Szkla. (Contribution à la connaissance de la

faune des lacs des environs de Szklo.) Kosmos, Lemberg **45** 1920 pp. 116–121. [Hem.]

Krausse, A. *see* Wolff & Krausse.

1650.—Krekich-Strassoldo, H. Anthicidae of the Philippines, I. Phil. J. Sci., Manila **27** 1925 pp. 515–534 3 pls. [Col.]

1651.—Krekich-Strassoldo, H. von. Eine neue Anthicide von Sumatra. Treubia, Buitenzorg **6** 1925 p. 97 1 fig. [Col.]

1652.—Kremer, J. Die Oenocyten der Coleopteren. Zs. mikr. anat. Forsch., Leipzig **2** 1925 pp. 536–581, 2 pls., 17 figs.

1653.—Kremer, J. Die Metamorphose und ihre Bedeutung für die Zellforschung. I. Insecta. Zs. mikr. anat. Forsch., Leipzig **4** 1925 pp. 290–345 9 pls. 25 figs.

1654.—Kremky, J. Macrolépidoptères de Podlasie (Pologne). [Also in Polish.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 35–62.

1655.—Kremky, J. Neotropische Danaididen in der Sammlung des Polnischen Naturhistorischen Staatsmuseums in Warschau. Ann. zool. Mus. polon. Hist. nat., Warsaw **4** 1925 pp. 141–275 9 pls. 193 figs. [Lep.]

1656.—Krieger, R. Zur Biologie der einsamlebenden Bienen. Ent. Jahrb., Leipzig **3** 1894 pp. 232–237. [Hym.]

1657.—Kriesche, R. Zur Kenntnis der Lucaniden. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 92–107. [Col.]

1658.—Kriesche, R. Zur Kenntnis der afrikanischen Figulinen (Col. Lucan.). Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 107–114.

1659.—Kriesche, R. Ueber *Eurytrachelus titanus* Boisd. und seine Rassen (Coleopt. Lucan.). Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 114–119.

1660.—Kriesche, R. Ueber die Rassen von *Prosopocoilus occipitalis* Hope (Coleopt. Lucan.). Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 120–122.

1661.—Kriesche, R. Einige neue Cetoniden-formen. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 8 pp. 122–124. [Col.]

1662.—Kröber, O. Beiträge zur Kenntnis palaearkt. Tabaniden (Teil III: *Ochrops, Atylotus, Tabanus* s. str., *Baïkalia, Isshikia*). Arch. Natg., Berlin Abt. A **90** (1924) 1925 Heft 9 pp. 1–195. [Dipt.]

1663.—Kröber, O. Conopidae. In Lindner, Die Fliegen der palaearktischen Region, Stuttgart **35** 1925 pp. 33–48 1 pl., 1 fig. [Dipt.]

1664.—Kröber, O. Tabanidae. In Lindner, Die Fliegen der palaearktischen Region, Stuttgart **19** 1925 pp. 1–146 3 pls. 70 figs. [Dipt.]

1665.—Kröber, O. Therevidae. In Lindner, Die Fliegen der palaearktischen Region, Stuttgart **26** 1925 pp. 33–60 12 figs. [Dipt.]

1666.—Kröber, O. Omphralidae. In Lindner, Die Fliegen der palaearktischen Region, Stuttgart **27** 1925 pp. 1–8 1 pl. 16 figs. [Dipt.]

1667.—Kröber, O. Die *Chrysops*-Arten Süd- und Mittelamerikas nebst den Arten der Inselwelt und Mexikos. Konowia, Vienna **4** 1925 pp. 210–256. [Dipt.]

1668.—Kröber, O. Egyptian Tabanidae. Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 77–137 22 figs. [Dipt.]

1669.—Krogerus, R. Zur Kenntnis der Agriliden Finnlands. Medd. Soc. Fauna Fl. fenn., Helsingfors **49** (1922–1923) 1925 pp. 70–76. [Col.]

1670.—Krogerus, R. Weitere Beiträge zur Kenntnis der Biologie und Verbreitung einiger *Bledius*- und *Dyschirius*-Arten. Not. ent., Helsingfors **5** 1925 pp. 114–118. [Col.]

1671.—Kröning, F. Ueber die Dressur der Biene auf Töne. Biol. Zentralbl., Leipzig **45** 1925 pp. 496-507 4 figs. [Hym.]

1672.—Krüger, E. Die Morphiden Kolumbiens nebst einigen allgemeinen Bemerkungen über Morphiden. D. ent. Zs. Iris, Dresden **38** (1924) 1925 pp. 223–268. [Lep.]

1673.—Krüger, E. Einige neue Falterformen aus Kolumbien und Surinam. D. ent. Zs. Iris, Dresden **39** 1925 pp. 146–151. [Lep.]

1674.—Krüger, E. Beiträge zur Kenntnis der columbischen Satyriden. Ent. Rdsch., Stuttgart **42** 1925 pp. 10–12, 14, 17–18, 23–24, 25–26. [Lep.]

1675.—Krüger, E. Analytische Studien zur Morphologie der Hummeln. No. I. Die Indices des Kopfes der Hummelweibchen. Zool. Jahrb., Jena Abt. f. Syst. **48** 1924 pp. 1–128, 14 pls. [Hym.]

1676.—Krüger, R. Zwei neue *Ornithoptera*-Aberrationen. Intern. ent. Zs., Guben **19** 1925 p. 193. [Lep.]

1677.—Kryger, J. P. Spredte Erindringer fra en Entomologs Rejser i England i Somrene 1921, –22 og –23. Flora og Fauna, Copenhagen **1925** pp. 52–56.

1678.—Kryger, J. P. Planter som Insektfaelder. Flora og Fauna, Copenhagen **1925** p. 57, 1 fig. [Lep.]

1679.—Kuhl, W. Das Zirkulationssystem der Insekten. Intern. ent. Zs., Guben **18** 1925 pp. 220–224, 4 figs.

1680.—Kuhl, W. Die Variabilität der abdominalen Körperanhänge bei *Forficula auricularia* L. Verh. D. zool. Ges., Leipzig **30** 1925 pp. 145–152.

1681.—Kühn, A. & **Ilse,** D. Die Anlockung von Tagfaltern durch Pigmentfarben. Biol. Zentralbl., Leipzig **45** 1925 pp. 144–149, 5 figs. [Lep.]

Kuntze, R. *see* Kozikowski & Kuntze.

1682.—Kuntzen, H. *Euplacocerus* (Cleridae), = *Lycosomus* (Cerambycidae) eine mimetische Chrysomelide. N. Beitr. syst. Insektenk., Berlin **3** 1925 pp. 77–78. [Col.]

1683.—Kunz, E. & **Kammel,** J. E. Gesammelte Beiträge zur Kenntnis von *Parnassius mnemosyne* L. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 12–14, 21–23, 31–32 10 figs. [Lep.]

1684.—Kupka, P. L. B. Fränkische Cicadinen. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 102–113. [Hom.]

1685.—Kurdjumov, N. V. New genus and species of Aphelininae (Chalcidoidea). J. App. Ent., Kiev **1** 1917 pp. 80–81 1 fig. [Hym.]

1686.—Kurisaki, M. On *Coccinella* in Japan. Dobuts. Z. [Zool. Mag.], Tokyo **34** 1922 pp. 534–541 7 figs. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (111).) [Col.]

1687.—Kurisaki, M. Descriptions of some interesting Coccinellids. Dobuts. Z. [Zool. Mag.], Tokyo **35** 1923 pp. 101–108 4 figs. (In Japanese with English summary.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (111).) [Col.]

1688.—Kurisaki, M. Further note on the genus *Epilachna*. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 109–110 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (105).) [Col.]

1689.—Kurisaki, M. *Scymnus* in Japan. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 14–17 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (107).) [Col.]

Kusnezov *see* Kuznetzov.

1690.—Kutter, H. Eine neue Ameise der Schweiz. Mitt. schweiz. ent. Ges., Bern **13** 1925 pp. 409–412 1 fig. [Hym.]

1691.—Kuwana, I. Studies on Japanese Monophlebinae. Imp. Plant Quar. Sta., Yokohama 1922 Bull. **1** 58 pp. 12 pls.; Bull. **2** 43 pp. 4 pls. [Hom.]

1692.—Kuwana, I. The Diaspine Coccidae of Japan, I–III. Imp. Plant Quar. Serv., Yokohama 1925 Tech. Bulls. **1** 18 pp. 3 pls.; **2** 42 pp. 11 pls.; **3** pp. 1–20 7 pls. [Hom.]

1693.—Kuwayama, S. Morphological and ecological studies on the eggs of Chrysopidae. [In Japanese.] Dobuts. Z. [Zool. Mag.], Tokyo **36** 1924 pp. 1–30. [Neur.]

1694.—Kuwayama, S. On the Japygidae. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 5–9, 37–39 1 fig. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (104).) [Thysanura.]

1695.—Kuwayama, S. A list of the Japanese Psyllidae. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 365–374 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (106).) [Hem.]

1696.—Kuwayama, S. A Myrmeleonid hitherto unrecorded from Corea. Insect World, Gifu **28** 1924 pp. 82–88 1 fig. [In Japanese.] [Neur.]

1697.—Kuwayama, S. Formosan Chrysopidae and notes on the wing venation of the family. Trans. Nat. Hist. Soc. Formosa **13** 1924 reprint 15 pp. 7 figs. [In Japanese.] [Neur.]

14

1698.—Kuwayama, S. A contribution to the knowledge of the Neuropterous insects of South Saghalien. Trans. Sapporo Nat. Hist. Soc. **9** 1924 pp. 93–140 5 figs. [In Japanese; English summary.]

1699.—Kuwayama, S. Notes on the Japanese Mantispidae with special reference to the morphological characters. J. Coll. Agric. Hokkaido Imp. Univ., Sapporo **15** 1925 pp. 237–266 1 pl. [Neur.]

1700.—[Kuznetzov, N. N.] Кузнецов, Н. Н. *Saryara octoannulata* sp. n. and *S. longicornis* sp. n. Representatives of a new Subfamily of Masaridae (Preliminary). Izvest. Turkestansk. Otdela Russkogo geografich. O-va, Tashkent **16** 1923 pp. 127–128. [Hym.]

1701.—[Kuznetzov] Kusnezov, N. N. Zur Frage der vertikalen Verteilung der Faunenelemente Turkestans. Zool. Anz., Leipzig **62** 1925 pp. 107–117, 2 figs.

1702.—[Kuznetzov] Kusnezov, N. Der Nestbau turkestanischer Ameisen als ökologischer Verbreitungsfaktor. Zool. Anz., Leipzig **64** 1925 pp. 253–260. [Hym.]

1703.—[Kuznetzov] Kusnezow-Ugamsky, N. Zur Kenntnis der Gattung *Amasis* Leach. Konowia, Vienna **4** 1925 pp. 132–134 2 figs. [Hym.]

1704.—Laboissière, V. Supplément au Catalogus Coleopterorum, pars 78 (Galerucinae) de J. Weise, précédé de remarques sur la classification des Galerucini. Encyc. ent. Sér. B.I. Col. **1** Paris 1925 pp. 33–48 5 figs.

1705.—Laboissière, V. Description de trois espèces nouvelles de Galerucini des Philippines. Phil. J. Sci., Manila **28** 1925 pp. 609–612 1 fig. [Col.]

1706.—Lacroix, J. L. Faune des Planipennes de France. Coniopterygidae. Bull. Soc. Etude Sci. nat. Elbeuf **42** (1923) 1924 pp. 53–84 1 pl. [Neur.]

1707.—Lacroix, J. L. Note sur les genres *Chrysocerca* Weele et *Chrysotropia* Navas (Ins., Planipennes Chrysopides). C.R. Assoc. franç. Avanc. Sci., Paris **47** (1923) 1924 pp. 571–574. [Neur.]

1708.—Lacroix, J. L. Etudes sur les Chrysopides. Notes sur quelques larves du groupe *Chrysopa prasina* Burm. Ann. Soc. linn. Lyon **70** 1924 pp. 153–159. [Neur.]

1709.—Lacroix, J. L. Note détachée sur les oeufs des Chrysopides (Neur.). Bull. Soc. ent. France, Paris **1925** pp. 227–232.

1710.—Lacroix, J. L. Quelques Névroptères (sens. lat.) d'Afrique. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 258–263.

1711.—Laidlaw, F. F. A survey of the dragonfly fauna of the Malay Peninsula, with notes on that of neighbouring countries. Part II. J. Malayan Br. R. Asiat. Soc., Singapore **2** 1924 pp. 296–308, 3 pls. [Odon.]

1712.—Laidlaw, F. F. Description of a new genus and two new species of dragonflies (Odonata) belonging to the family Gomphidae from Tropical Asia. Proc. Zool. Soc., London **1925** pp. 439–444, 2 figs.

1713.—Laidlaw, F. F. Two new species of dragonflies (Odonata) from the Philippine Islands, with remarks on the genus *Heliogomphus*. Phil. J. Sci., Manila **28** 1925 pp. 559–563 3 figs.

1714.—Laing, F. Synonymy of some Aphididae. Entomologist, London **58** 1925 p. 123. [Hom.]

1715.—Laing, F. On a new genus and species of Psocoptera from British Guiana. Entomologist, London **58** 1925 pp. 289–290, 12 figs.

1716.—Laing, F. Descriptions of two species of Coccidae feeding on roots of coffee. Bull. Ent. Res., London **15** 1925 pp. 383–384 2 figs. [Hom.]

1717.—Laing, F. Descriptions of some new genera and species of Coccidae. Bull. Ent. Res., London **16** 1925 pp. 51–66 15 figs. [Hom.]

Lala Dina Nath *see* Husain & Nath.

1718.—Lall, H. External genitalia of Lahore dragonflies. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 369–377. [Odon.]

1719.—Lallemand, V. Homoptères nouveaux de la Collection du Muséum National de Paris et de la mienne. Bull. Mus. Hist. nat. Paris **1924** pp. 201–207, 294–300, 378–385, 490–493.

1720.—Lambertie, M. Remarques sur quelques Cécidies de la Gironde. Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925 pp. 130–131, 159–160.

1721.—Lambertie, M. M. Cécidies trouvées à Bassens et à Tresses-Mélac. Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925 pp. 184–185.

1722.—Lamborn, W. A. The seasonal habit of the common Anophelines of Nyasaland with a note on its relation to the seasonal incidence of malaria. Bull. Ent. Res., London **15** 1925 pp. 361–376 1 fig. [Dipt.]

1723.—Landrock, K. Dipterologische Miszellen. Mycetophilidae. Wiener ent. Ztg., Vienna **42** 1925 pp. 179–182.

1724.—Langford, G. S. & Burnett, W. L. Coition of *Melanoplus differentialis* and *Trimerotropis* sp. J. Econ. Ent., Geneva, N. Y. **18** 1925 pp. 233–234. [Orth.]

1725.—Lapouge, G. de. Carabes nouveaux ou mal connus. Misc. ent. Castanet-Tolosan **28** 1924 sep. pp. 145–192; **29** 1925 sep. pp. 193–208. [Col.]

1726.—Larrousse, F. Larve de *Culex* à branchies très développées nouvelle pour la faune française (*Culex lavieri* n. sp.). Ann. Parasit. hum. & comp., Paris **3** 1925 pp. 68–70 1 fig. [Dipt.]

1727.—Lass, —. Biologische Beobachtungen an Geometriden. Intern. ent. Zs., Guben **18** 1925 pp. 281–283. [Lep.]

1728.—Lataste, F. Quelques mots à propos de ma note sur les chasses entomologiques à la marée et de la réponse de M. le Dr. Baudrimont. Proc.-verb. Soc. linn. Bordeaux **77** 1925 pp. 52–53.

1729.—Lathy, P. I. Notes sur les *Chauves* de la collection de Madame G. Fournier. Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 pp. 93–97 2 pls. [Lep.]

1730.—Lathy, P. I. The Castniidae (Lepidoptera) of Trinidad and Tobago. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 242–243.

1731.—Lax, H. Köderabende. Ent. Zs., Frankfort on M. **39** 1925 pp. 29–30. [Lep.]

1732.—Lax, H. Ueber das Auftreten und die Variabilität von *Parnassius apollo* in Mittelsteiermark. Ent. Zs., Frankfort on M. **39** 1925 pp. 101–102, 106–107. [Lep.]

1733.—[Lazarenko, Th.] Лазаренко, Ф. М. The morphological composition of connective tissue of Insects. [In Russian.] Bull. Inst. Recherches biol. Univ. Perm **2** 1923 pp. 13–24 1 pl.

1734.—[Lazarenko, Th.] Лазаренко, Ф. М. The regeneration of the fat-body of the larva of the *Oryctes nasicornis* L. [In Russian.] Bull. Inst. Recherches biol. Univ. Perm **2** 1923 pp. 111–120, 1 pl. [Col.]

1735.—Lazarenko, Th. Die histologische Beobachtungen über die Heilung der Hautwunden bei den Insecten. [In Russian with German summary.] Bull. Inst. Recherches biol. Univ. Perm **2** 1924 pp. 387–398 1 pl.

1736.—Lazarenko, Th. Ein merkwürdiger Fall der Regeneration eines Hautsinnesorgans bei der Larve von *Oryctes nasicornis* L. [In Russian with German summary.] Bull. Inst. Recherches biol. Univ. Perm **3** 1924 pp. 129–134 1 pl. [Col.]

1737.—Lazarenko, Th. Beiträge zur vergleichenden Histologie des Blutes und des Bindegewebes. II. Die morphologische Bedeutung der Blut- und Bindegewebeelemente der Insekten. Zs. mikr. anat. Forsch., Leipzig **3** 1925 pp. 409–499 44 figs.

1738.—Lea, A. M. On Australian Anobiudes (Coleoptera). Trans. R. Soc. S. Australia, Adelaide **48** 1924 pp. 15–64 42 figs.

1739.—Lea, A. M. Notes on some calcareous insect puparia. Rec. S. Aust. Mus., Adelaide **3** 1925 pp. 35–36 1 pl. [Col.]

1740.—Lea, A. M. On some new Australian Chrysomelidae (Coleoptera). Proc. R. Soc. Victoria, Melbourne **37** 1925 pp. 1–17.

1741.—Lea, A. M. On Australian Histeridae (Coleoptera). Trans. Ent. Soc. London **1924** 1925 pp. 239–263, 1 pl.

1742.—Lea, A. M. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913. 42. Histeridae. Ark. Zool., Stockholm **17a** no. 17 1925 pp. 1–3. [Col.]

1743.—Lebedev, E. Contributions au diagnostic des phases chez les larves des Acridiens. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 309–311. [Orth.]

Leblois, *see* Henry & Leblois.

1744.—Lécaillon, A. Sur les phénomènes d'hérédité considérés chez le Bombyx du mûrier (*Sericaria mori* L.). C. R. Assoc. franç. Avanc. Sci., Paris **47** (1923) 1924 pp. 575–578. [Lep.]

1745.—Lécaillon, A. Le négril de la luzerne (*Colaspidema atrum* Olivier). Etude monographique. Ann. Epiphyties, Paris **11** 1925 pp. 235–298 2 pls. 1 fig. [Col.]

1746.—Le Cerf, F. Note sur une Gelechiide parasite de l'alfa. Encyc. ent. Sér B. III. Lep. **1** Paris 1925 pp. 11–28 19 figs. [Lep.]

1747.—Le Cerf, F. Capture en méditerranée d'*Acentropus niveus* Ol. (Pyralidae). Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 p. 28. [Lep.]

1748.—Le Cerf, F. Note sur *Argyroploce antiquana* Hb. (Tortricidae). Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 pp. 39–40. [Lep.]

1749.—Le Cerf, F. Un nouveau *Papilio* de Guyane française. Encyc. ent. Sér. B. III Lep. **1** Paris 1925 pp. 49–52 1 pl. [Lep.]

1750.—Le Cerf, F. Caractères sexuels de quatre *Hydroecia* françaises. Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 pp. 73–87 8 figs. [Lep.]

1751.—Le Cerf, F. Descriptions de quelques Morphos. Encyc. ent. Sér. B. III. Lep. **1** Paris 1925 pp. 98–109 2 pls. [Lep.]

1752.—Le Cerf, F. Races et formes nouvelles de Morphos, (Lep.). Bull. Soc. ent. France, Paris **1925** pp. 46–48.

1753.—Le Cerf, F. Ægeriidae nouveaux du Maroc (Lep.). Bull. Soc. ent. France, Paris **1925** pp. 210–212.

Le Cerf, F. *see* Talbot & Le Cerf.

1754.—Le Charles, L. Aberration asymetrique de *Phigalia pedaria* F. Bull. Soc. ent. France, Paris **1925** pp. 198–199 4 figs. 1 pl. [Lep.]

1755.—Lecomte, C. Sur quelques Coléoptères obtenus d'élevages. Bull. Soc. ent. France, Paris **1923** pp. 192–194, 226; **1924** pp. 168–170; **1925** pp. 294–296.

1756.—Lederer, G. Handbuch für den praktischen entomologen. 1. Abt.: Lepidoptera. B. Spezieller Teil. Frankfort on M. **3** (1923) 1925, 172 pp.

1757.—Lederer, G. Zur Biologie der *Celerio*-Arten. Intern. ent. Zs., Guben **19** 1925 pp. 101–104. [Lep.]

1758.—Lee, M. O. On the mechanism of respiration in certain Orthoptera. J. Exper. Zool., Philadelphia **41** 1925 pp. 125–154 2 figs.

1759.—Leefmans, S. Van een cosmopolitischen dagvlinder (*Pyrameis* (*Vanessa*) *cardui* L.). Tropische Natuur, Batavia **1924** pp. 33–39 3 figs. [Lep.]

Leeuwen, W. M. D. van *see* Docters van Leeuwen.

1760.—Legewie, H. Zur Theorie der Staatenbildung. I–II. Zs. Morph. Oekol. Tiere, Berlin **3** 1925 pp. 619–684; **4** 1925 pp. 246–300.

1761.—Legewie, H. Zum Problem des tierischen Parasitismus. 1 Teil: Die Lebensweise der Schmarotzerbiene *Sphecodes monilicornis* K. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 430–464. [Hym.]

1762.—Leininger, H. Beiträge zur Kenntnis der badischen Insektenfauna. III. Zur Ameisenfauna des Wildseegebiets. Mitt. badischen Landesver. Naturk., Freiburg i. Br. N. Ser. **1** 1925 pp. 478–479. (Suppl. Mitt. badisch. ent. Ver., Freiburg **1**.) [Hym.]

1763.—Leman, G. B. C. *Hippodamia variegata* Goeze and its aberrations. Ent. Rec., London **37** 1925 p. 149. [Col.]

1764.—Le Moult, E. Races nouvelles de *Morpho* (Lep. Morphidae) du bas Orénoque, Vénézuéla. Bull. Soc. ent. France, Paris **1925** pp. 45–46, 109–110.

1765.—Le Moult, E. Formes connues ou nouvelles d'*Agrias phalcidon* Hew. Bull. Soc. ent. France, Paris **1925** pp. 189–196. [Lep.]

1766.—Lengerken, H. v. Coleoptera. III. Biologie der Tiere Deutschlands. Berlin Teil **40** 1925 pp. 105–168 49 figs.

1767.—Lengerken, H. von. Beeinflussung des Lebenszyklus von *Tenebrio molitor* L. durch äussere Faktoren. Verh. D. zool. Ges., Leipzig **30** 1925 pp. 132–135. [Col.]

1768.—Lengerken, H. v. Zur Morphologie des Coleopterenabdomens. Zool. Anz., Leipzig **63** 1925 pp. 41–45 4 figs.

1769.—Lengerken, H. v. Vorstülpbare Stink-apparate der Imago von *Tenebrio molitor* L. Biol. Zentralbl., Leipzig **45** 1925 pp. 365–369 4 figs. [Col.]

1770.—Lengersdorf, F. Beitrag zur Kenntnis der Gattung *Sciara* Mgn. Verh. nathist. Ver., Bonn **81** (1924) 1925 pp. 203–214 1 fig. 2 plates. [Dipt.]

1771.—Lengersdorf, F. Ueber die Gattung *Euricrium* End. (Dipt. Lestr. [Sciar.]). Wiener ent. Ztg., Vienna **42** 1925 pp. 92–94.

1772.—Lenz, F. Zur Klärung der Rassenfrage in der Entomologie. Mitt. münchn. ent. Ges., Munich **13** 1924 pp. 41–54.

1773.—Lenz, F. *Didiamesa miriforceps* Kieff. Eine neue Chironomide aus der Tiefe von Binnenseen. N. Beitr. syst. Insektenk., Berlin **3** 1925 pp. 85–94 12 figs. [Dipt.]

1774.—Lenz, F. Chironomiden und Seetypenlehre. Naturwissenschaften, Berlin **13** 1925 pp. 5–10. [Dipt.]

1775.—Leon, N. Contributions à l'étude de parasites animaux de Roumanie (1898–1924). Bucarest 1924 pp. 1–151.

1776.—Lépiney, J. de. Remarques biologiques sur la larve d'hiver de *Chaoborus crystallinus* (de Geer). C.R. Soc. Biol., Paris **92** 1925 pp. 948–950. [Dipt.]

1777.—Lepnewa, S. Ueber die Trichopterenlarven aus den Sammlungen der Biologischen Oka-Station. [In Russian with German summary.] Arb. biol. Oka-Sta. Murom, **3** 1925 pp. 121–132.

1778.—Le Pontois, A. *Palluperina tardenota* Joan. en Morbihan. Bull. Soc. ent. France, Paris **1925** p. 151. [Lep.]

1779.—Lesne, P. Classification des Coléoptères xylophages de la famille des Bostrychides. C.R. Assoc. franç. Avanc. Sci., Paris **44** (1920) 1921 pp. 285–289.

1780.—Lesne, P. La patrie d'origine du *Trogoxylon aequale* Woll. (Coléoptère Lyctidae) et le double mouvement de migration des Xylophages tropicaux à travers l'Atlantique. C.R. Assoc. franç. Avanc. Sci. Paris **45** (1921) 1922 pp. 638–642 1 map.

1781.—Lesne, P. Notulae teredilinae. Encyc. ent. Sér B. I. Col. **1** Paris 1925 pp. 25–32 1 pl. 1 fig. [Col.]

1782.—Lesne, P. Description d'un Cléride nouveau du Maroc. Bull. Soc. Sci. nat. Maroc, Rabat **5** 1925 pp. 15–16 1 fig. [Col.]

1783.—Lestage, J. A. Etudes sur la biologie des Plécoptères. I & II. Ann. Biol. lacustre, Brussels **9** 1920 pp. 259–268, 2 figs.; **10** 1921 pp. 231–260 13 figs. [Plecopt.]

1784.—Lestage, J. A. Le méchanisme de la ponte chez *Sialis lutaria* L. (Megaloptera). Ann. Biol. lacustre, Brussels **10** 1921 pp. 221–223. [Neur.]

1785.—Lestage, J. A. La ponte et la larvule de l'*Osmylus chrysops* L. (Planipenne). Ann. Biol. lacustre, Brussels **10** 1921 pp. 226–230 5 figs. [Neur.]

1786.—Lestage, J. A. Contribution à l'étude des larves des Éphémères Ser. III. Le groupe Ephémérelliden. Ann. Biol. lacustre, Brussels **13** (1924) 1925 pp. 237–302 14 figs.

1787.—Lestage, J. A. Le stade imago de *Torleya belgica* Lest. Ann. Biol. lacustre, Brussels **13** (1924) 1925 pp. 303–320 11 figs. [Ephem.]

1788.—Lestage, J. A. L'aquaticité supposée de la larve des *Polystoechotes* (Planipennia). Ann. Biol. lacustre, Brussels **14** 1925 pp. 187–199 3 figs. [Neur.]

1789.—Lestage, J. A. Notes trichoptérologiques (7–8 notes). Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 35–44, 93–120.

1790.—Lestage, J. A. Notes sur la géonémie, l'habitat et le régime de *Prosopistoma foliaceum* Fourc. (Ephém.). Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 79–85.

1791.—Lestage, J. A. Notes sur *Micromus lanceolatus* Nav. (Planipennia). Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 120–121. [Neur.]

1792.—Lestage, J. A. La Batrachomyase en Belgique. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 309–310. [Dipt.]

1793.—Lestage, J. A. Un *Micromus* nouveau du Congo Belge. Rev. zool. afr., Brussels **13** 1925 pp. 57–59 1 fig. [Neur.]

1794.—Lestage, J. A. Éphéméroptères, Plécoptères et Trichoptères recueillis en Algérie par M. H. Gauthier et liste des espèces connues actuellement de l'Afrique du Nord. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 8–18.

1795.—Lestage, J. A. Les Éphémères de l'Indochine française. Faune ent. Indochine française, Saigon fasc. **8** 1924 pp. 79–93.

1796.—Letacq, —. Catalogue des Orthoptères observés dans le Département de l'Orne et aux environs d'Alençon. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 653–658.

Leuzinger, H. *see* Schneider-Orelli & Leuzinger.

Le Veque, H. *see* Cockerell & Le Veque.

Levitt, M. *see* Spett & Levitt.

1797.—Lévy, L. Contributions à l'étude des métamorphoses aquatiques des Diptères. Ann. Biol. lacustre, Brussels **9** 1920 pp. 201–248 2 pls.

1798.—Lichtwardt, B. Ueber Nemestriniden (Dipt.). Ent. Mitt., Berlin **14** 1925 pp. 392–394, 2 figs.

1799.—Liebermann, A. Correlation zwischen den antennalen geruchsorganen und der Biologie der Musciden. Zs. Morph. Oekol. Tiere, Berlin **5** 1925 pp. 1–97 99 figs. [Dipt.]

1800.—Lieftinck, M. A. Odonata Neerlandica. De libellen of waternimfen van Nederland en het aangrenzend gebied. Eerste gedeelte: Zygoptera. Tijdschr. Ent., The Hague **68** 1925 pp. 61–174 57 figs.

1801.—Lieftinck, M. A. Iets nieuws uit het Naardermeer. Levende Natuur, Amsterdam **29** 1925 pp. 203–207 4 figs. [Odon.]

1802.—Lienhart, R. Sur la présence aux environs de Nancy de quelques Coléoptères rares ou prétendus tels. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 695–700.

1803.—Lienhart, R. Méthode de préparation des insects orthoptères destinés aux collections. Bull. bi-mens. Soc. linn. Lyon **2** 1923 p. 129.

1804.—Lie-Pettersen, O. J. Oljebillen (*Meloe proscarabæus*) snyltende hos *Andrena helvola*. Naturen, Bergen **48** 1924 pp. 61–62, 3 figs. [Col., Hym.]

1805.—Lindberg, H. Ålands Hemiptera Heteroptera. Medd. Soc. Fauna Fl. fenn., Helsingfors **46** 1921 pp. 32–55.

1806.—Lindberg, H. Bidrag till kännedomen om åländska ögruppens skalbaggsfauna. Medd. Soc. Fauna Fl. fenn., Helsingfors **48** (1921–1922) 1925 pp. 29–60. [Col.]

1807.—Lindberg, H. Insektekologiska iakttagelser på Åland. Medd. Soc. Fauna Fl. fenn., Helsingfors **49** (1922–1923) 1925 pp. 48–57. [German summary p. 226.]

1808.—Lindner, E. Die Fliegen der Palaearktischen Region, Stuttgart, E. Schweitzerbart, 1925. [Dipt.]
1 Morphology 1925 pp. 1–32 17 figs.
19 Tabanidae *see* Kröber, O.
20 Rhagionidae 1925 pp. 33–49, 4 figs.
24 Asilidae *see* Engel, E. O.
26 Therevidae, **27** Omphralidae, **35** Conopidae *see* Kröber, O.

1809.—Lindner, E. Neue exotische Dipteren (Rhagionidae et Tabanidae). Konowia, Vienna **4** 1925 pp. 20–24.

1810.—Lindner, E. Neue ägyptische Stratiomyidae (Dipt.). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 145–151 3 figs.

1811.—Lindsay, S. The giant Ichneumon-fly *Rhyssa fractinervis* Voll. N.Z.J. Sci. & Technol., Wellington **8** 1925 pp. 31–32. [Hym.]

1812.—Lindsey, A. W. *Trichoptilus pygmaeus* Wlsm. and the neuration of the family Pterophoridae. Denison Univ. Bull., Granville, Ohio **20** 1924 pp. 187–192, 1 pl., 2 figs. [Lep.]

1813.—Lindsey, A. W. Some problems of taxonomy. Denison Univ. Bull., Granville, Ohio **20** 1924 pp. 289–305. [Lep., Dipt.]

1814.—Lindsey, A. W. The Cornell University Entomological Expedition to South America of 1919–20. Scientific results no. II. Hesperioidea. Denison Univ. Bull., Granville, Ohio **21** 1925 pp. 71–114, 6 pls. [Lep.]

1815.—Lindsey, A. W. The types of Hesperioid genera. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 75–106. [Lep.]

1816.—Linnaniemi (Axelson), W. M. Collembola [from the Arctic Ural, 1909]. Mém. Acad. Sci. Russie, Petrograd Cl. phys.-math. (8) **28** no. 13 1919 15 pp. 10 figs.

1817.—Liu, Chung Lo. Observations on the acroglossal buttons and on the submentum of Hymenoptera. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 445–454 1 pl.

1818.—Lizer, C. Description d'une nouvelle espèce de Psyllide cécidogène de l'Amérique méridionale (*Paurocephala spegazziniana* n. sp.). Marcellia, Avellino **16** (1917) 1919 pp. 103–107, 1 pl. 6 figs. [Hom.]

Loibl, H. *see* Ghika & Loibl.

1819.—Lombardi, L. Sulla partenogenesi e sulla fecondazione artificiale del baco da seta. Boll. R. Staz. sperim. Gelsicolt. e Bachicolt., Ascoli Piceno **4** 1925 pp. 238–246. [Lep.]

1820.—Lombardi, L. Ricerche sul peso specifico delle uova del baco di seta. Boll. R. Stazione sperim. Gelsicolt. e Bachicolt., Ascoli Piceno **4** 1925 pp. 1–12, 49–106 19 figs. [Lep.]

1821.—Łomnicki, J. Sur la micrandrie chez la fourmi sanguine (*Raptiformica sanguinea* Latr.). [In Polish, German summary.] Kosmos, Lemberg **46** 1921 pp. 98–99. [Hym.]

1822.—Łomnicki, J. Sur les trois gynandromorphes de la fourmi *Myrmica rugulosa* Nyl. [In Polish with German summary.] Kosmos, Lemberg **49** 1924 pp. 817–830, 5 figs. [Hym.]

1823.—Łomnicki, J. Uebersicht der polnischen Arten der Gattung Ameise (*Formica*, L.). [In Polish with German summary.] Polsk. Pismo ent., Lemberg **3** (1924) 1925 pp. 151–182 4 figs. [Hym.]

1824.—Łomnicki, J. Une contribution à la connaissance de la faune des fourmis des îles Baléares. Polsk. Pismo ent., Lemberg **4** 1925 pp. 1–3. [Hym.]

1825.—Łomnicki, J. *Plagiolepis vindobonensis* **sp. n.** (Hym. Formicidae). [In German.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 77–82 4 figs.

1826.—Łomnicki, J. Ueber die Bezettelung der Käfersammlungen. [In Polish with German summary.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 133–138.

1827.—Louvet, G. La généalogie d'un insecte. Application à l'étude d'une espèce. Et description de deux aberrations nouvelles. Misc. ent., Castanet-Tolosan **29** 1925 pp. 1–6. [Col.]

1828.—Louvet, G. Etude morphologique de l'*Elaphrus uliginosus* F. et de ses variétés. Description d'une aberration nouvelle. Misc. ent., Castanet-Tolosan **29** 1925 pp. 17–20. [Col.]

1829.—Lowther, R. C. Macro-Lepidoptera taken at light in 1925 in North Lancashire and South Westmorland. Entomologist, London **58** 1925 pp. 253–255, 299–301.

1830.—Loyd, L. R. W. Lundy, its history and natural history. London 1925 pp. 1–248, 29 pls. 1 map.

1831.—Łozinski, P. Ueber die Spinndrüsen der Wespenlarven. I: Entwickelung und Anatomie. Bull. intern. Acad. polon. Sci., Cracow B. **1924** 1925 pp. 715–734. [Hym.]

1832.—Lucas, W. J. Caudal lamellae of the naiads of the British Zygopteria dragonflies. Proc. S. London Ent. & N.H. Soc., London **1924-25** pp. 1–7 1 pl. 1 fig. [Odon.]

1833.—Lucas, W. J. A macropterous form of *Chorthippus parallelus* Zett. Trans. Ent. Soc. London **1925** pp. i–ii. [Orth.]

1834.—Lucas, W. J. Notes on British Orthoptera (including Dermaptera) in 1924. Entomologist, London **58** 1925 pp. 81–86, 1 fig.

1835.—Lucas, W. J. Notes on British Paraneuroptera (Odonata) in 1924. Entomologist, London **58** 1925 pp. 113–118 1 fig.

1836.—Lucas, W. J. Notes on British Neuroptera (including Megaloptera and Mecoptera) in 1924. Entomologist, London **58** 1925 pp. 155–156.

1837.—Lucas, W. J. British Orthoptera in the Dale collection. Ent. Mo. Mag., London **61** 1925 pp. 246–250.

1838.—Lucas, W. J. Insects of the Natural Orders: Orthoptera, Paraneuroptera (Odonata), and Neuroptera. Nat. Hist. Wicken Fen, Cambridge **1** 2 1925 pp. 65–86, 2 pls.

1839.—Luederwaldt, H. Biologia de varias especies de *Pinotus* de S. Paulo. Rev. Mus., São Paulo **9** 1914 pp. 365–366. [Col.]

1840.—Luederwaldt, H. Notas myrmecologicas. Rev. Mus., São Paulo **10** 1918 pp. 29–64 1 pl. [Hym.]

1841.—Luederwaldt, H. Chave para determinar os Dorylineos brasileiros. Rev. Mus., São Paulo **12** 1920 pp. 229–257 6 figs. [Hym.]

1842.—Luederwaldt, H. Neue *Pinotus*-arten. Rev. Mus., São Paulo **14** 1923 sep. pp. 1–13. [Col.]

1843.—Luigioni, P. Sopra un caso di antenna bifida in un *Akis bacarozzo* Schrnk. (Coleoptera-Fam. Tenebrionidae). Atti pont. Accad. nuovi Lincei, Rome **74** 1921 pp. 69–71 1 fig.

1844.—Luigioni, P. Un caso di antenna bifida in un *Cerambyx scopolii* Füssl. (Coleoptera-Fam. Cerambycidae). Atti pont. Accad. nuovi Lincei, Rome **74** 1921 p. 130 1 fig.

1845.—Luigioni, P. Una nuova varietà del *Carabus clathratus* Lin. dell'Italia centrale (Coleoptera-Fam. Carabidae). Atti pont. Accad. nuovi Lincei, Rome **74** 1921 pp. 104–105.

1846.—Lundblad, O. Ueber das Vorkommen von Trichobothrien bei Neuropteren und Corrodentien. Ent. Tidskr., Stockholm **46** 1925 pp. 96–101 7 figs.

1847.—Lundblad, O. Studien über schwedische Corixiden. I.—III. Ent. Tidskr., Stockholm **46** 1925 pp. 127–142, 182–200 5 figs. 6 pls. [Hem.]

1848.—Lundie, A. E. The flight activities of the honeybee. U.S. Dept. Agric., Washington Dept. Bull. **1328** 1925 37 pp. 13 figs. [Hym.]

1849.—Lundström, C. Diptera Nematocera aus den arctischen Gegenden Sibiriens. Mém. Acad. imp. Sci., Petrograd Cl. phys.-math. (8) **29** no. 8 1915 33 pp. 2 pls.

1850.—Lutshnik, V. Description d'une nouvelle espèce du genre *Trachelocyphus*, Tschitsch. (1899). Acta Inst. agron. stauropolitani, Stavropol **1** 1922 pp. 49–50. [Col.]

1851.—Lutz, A. Blepharoceriden aus Brasilien. Mem. Inst. Oswaldo Cruz, Rio de Janeiro **12** 1920 pp. 16–40 7 pls. [Dipt.]

1852.—Lutz, F. E. The new insect groups in the American Museum. Nat. Hist., New York **25** 1925 pp. 127–135, 8 figs.

1853.—Lyckla na à Nijeholt, H. J. Naamlijst van de Nederlandsche Microlepidoptera. Ent. Ber., The Hague **7** 1925 pp. 22–26.

1854.—Lyle, G. T. Contributions to our knowledge of the British Braconidae. No. 8. Blacidae. Entomologist, London, **58** 1925 pp. 34–37, 53–56, 77–80. [Hym.]

1855.—Lyle, G. T. Some Braconidae new to Britain. Ent. Mo. Mag., London **61** 1925 pp. 118–123. [Hym.]

1856.—Lysaght, A. M. Orthoptera and Dermaptera from the Chatham Islands. Rec. Canterbury Mus., Christchurch N.Z. **2** 1925 pp. 301–310 8 figs.

1857.—Lysaght, A. M. The eggs of the Katydid, *Caedicia simplex* (Walker). N. Z. J. Sci. & Tech., Wellington **7** 1925 p. 372 1 fig. [Orth.]

1858.—McAtee, W. L. Notes on Eupterygid leaf-hoppers with descriptions of a few forms (Homoptera). Florida Ent., Gainesville **8** 1924 pp. 33–39.

1859.—McAtee, W. L. Policies relating to type specimens of insects. Proc. Ent. Soc. Washington **27** 1925 pp. 181–187.

1860.—McAtee, W. L. Notes on drift, vegetable balls, and aquatic insects as a food product of inland waters. Ecology, Brooklyn **6** 1925 pp. 288–302.

1861.—McAtee, W. L. & Malloch, J. R. Revision of the American bugs of the Reduviid subfamily Ploiariinae. Proc. U.S. Nat. Mus., Washington **67** 1925 art. 1 no. 2573 153 pp. 9 pls. [Hem.]

1862.—McAtee, W. L. & Malloch, J. R. Revision of bugs of the family Cryptostemmatidae in the collection of the United States National Museum. Proc. U.S. Nat. Mus., Washington **67** art. 13 no. 2585 1925 pp. 1–42 4 pls. [Hem.]

1863.—McCarthy, T. The brown vegetable weevil (*Listroderes* (*Desiantha*) *nociva*). Agric. Gaz. N.S.W., Sydney **35** 1924 pp. 573–580 1 pl. 1 fig. [Col.]

1864.—McColloch, J. W. & Hayes, W. P. The reciprocal relation of soil and insects. Ecology, Brooklyn **3** 1922 pp. 288–301.

1865.—McDunnough, J. The Ephemeroptera of Covey Hill, Que. Trans. R. Soc. Canada, Ottawa **19** Sec. 5 1925 pp. 207–223 1 pl.

1866.—McDunnough, J. New Canadian Lepidoptera with notes. Canad. Ent., Orillia **57** 1925 pp. 11–23 2 pls.

1867.—McDunnough, J. New *Ephemerella* species (Ephemeroptera). Canad. Ent., Orillia **57** 1925 pp. 41–43.

1868.—McDunnough, J. H. New Canadian Eucosminae (Lepidoptera). Canad. Ent., Orillia **57** 1925 pp. 115–116.

1869.—McDunnough, J. New Canadian Ephemeridae with notes, III. Canad. Ent., Orillia **57** 1925 pp. 168–176 11 figs., 185–192 1 pl.

1870.—McDunnough, J. *Euxoa ridingsiana* and its allies (Lepidoptera). Canad. Ent., Orillia **57** 1925 pp. 242–244.

1871.—McDunnough, J. Notes on *Saldula obscura* Prov. with descriptions of a new species (Hemiptera). Canad. Ent., Orillia **57** pp. 257–260.

1872.—McDunnough, J. Notes on some species of the genus *Anarta* (Lepidoptera). Canad. Ent., Orillia **57** 1925 pp. 307–309.

1873.—Mace, H. & Whitfield, B. W. The butterflies of Khartoum. Entomologist, London **58** 1925 pp. 25–32. [Lep.]

1874.—McEwen, R. S. Concerning the relative phototropism of vestigial and wild type *Drosophila*. Biol. Bull., Wood's Hole, Mass. **49** 1925 pp. 354–364. [Dipt.]

1875.—Macfie, J. W. S. A new blood-sucking midge from Singapore. Bull. Ent. Res., London **15** 1925 pp. 349–351 1 fig. [Dipt.]

1876.—MacGill, E. I. A proboscis of *Calliphora* with two pairs of palps. Entomologist, London **58** 1925 pp. 49–50 1 pl. [Dipt.]

1877.—MacGillavry, D. Aanteekeningen over Rhynchota Homoptera, III. Ent. Ber., The Hague **6** 1925 pp. 343–346.

1878.—MacGillavry, D. Over Brachypterisme bij *Gerris*. Ent. Ber., The Hague **6** 1925 pp. 346–352. [Hem.]

1879.—MacGillivray, A. D. Hymenoptera of Connecticut: Tenthredinoidea. Conn. N. H. Surv., Hartford Bull. **22** 1916 pp. 25–175, 761–764 5 figs.

1880.—MacGregor, M. E. Mosquitos under winter conditions. Bull. Ent. Res., London **15** 1925 pp. 357–358. [Dipt.]

1881.—Machida, J. Studies on the ovary of the silkworm *Bombyx mori*. Sangyosikenzyo Hokoku **6** 1922. (Abstract in Jap. J. Zool., Tokyo **1** 1925 pp. (37)–(39).) [Lep.]

Machida, J. *see* Goldschmidt & Machida.

1882.—McLachlan, R. Account of the Zoological Collections made during visit of H.M.S. 'Petrel' to the Galapagos Islands. IX. Neuroptera. Proc. Zool. Soc., London **1877** pp. 84–86 figs. [Hitherto unrecorded.]

1883.—Maidl, F. Zwei neue Holzbienen von Neu-Guinea (*Xylocopa*, Apidae, Hym.). Nova Guinea, Leyden **15** 1924 pp. 78–80, 3 figs.

1884.—Maidl, F. Berichtigungen zu Teil I der "Beiträge zur Hymenopterenfauna Dalmatiens, Montenegros und Albaniens" (Ann. nat.-hist. Mus. Wien **35** 1922 p. 36). Ann. nat.-hist. Mus. Wien **38** 1925 p. 106.

1885.—Maidl, F. Fauna sumatrensis (Beitrag Nr. 11). Sphegidae (Hym.). Ent. Mitt., Berlin **14** 1925 pp. 376–392 30 figs.

1886.—Maire, R. Notes de technique. 2. Sur l'emploi de diverses encres pour l'étiquetage des collections. Bull. Soc. Hist. nat. Afr. N., Algiers **16** 1925 pp. 123–124.

1887.—Makalowskaja, W. N. Zur Biologie der *Locusta migratoria* L. (Wanderheuschrecke). Zool. Anz., Leipzig **64** 1925 pp. 295–306 3 figs.

1888.—**Malan, D. J. & Malan, D. E.** The Spermatogenesis of *Locustana pardalina* (Wlk.). Trans. R Soc. S. Africa, Capetown **13** 1925 pp. 1–22 2 pls. [Orth.]

1889.—**Maljtzev, M.** Sur le nombre d'oothèques pondues par les femelles de quelques Acridiens. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 301–306. [Orth.]

1890.—**Mallet, P. M.** Note sur une aberration de *Chrysochloa coerulea* Ol. Misc. ent., Castanet-Tolosan **29** 1925 pp. 27–28. [Col.]

1891.—**Malloch, J. R.** The American species of the genus *Griphoneura* Schiner (Diptera, Sapromyzidae). Proc. Biol. Soc. Washington **38** 1925 pp. 75–77.

1892.—**Malloch, J. R.** A synopsis of New World flies of the genus *Sphaerocera* (Diptera : Borboridae). Proc. Ent. Soc. Washington **27** 1925 pp. 117–123.

1893.—**Malloch, J. R.** A new Borborid from Maryland (Diptera, Borboridae). Bull. Brooklyn Ent. Soc. **20** 1925 p. 97.

1894.—**Malloch, J. R.** A new North American species of *Hydrotaea* (Diptera). Bull. Brooklyn Ent. Soc. **20** 1925 pp. 184–185.

1895.—**Malloch, J. R.** Exotic Muscaridae (Diptera). XV–XVII. Ann. Mag. Nat. Hist., London 1925 (9) **15** pp. 131–142 4 figs.; (9) **16** pp. 81–100, 361–377.

1896.—**Malloch, J. R.** Some Indian species of the Dipterous genus *Atherigona* Rondani. Mem. Dept. Agric. India, Calcutta Ent. Ser. **8** 1925 pp. 111–122 3 pls.

1897.—**Malloch, J. R.** A new species of the genus *Aulacocephala* (Dipt.) from Sumatra. Treubia, Buitenzorg **6** 1925 pp. 146–147 2 figs.

1898.—**Malloch, J. R.** The Anthomyiid genus *Dichaetomyia* Malloch (Diptera) in the Philippines. Phil. J. Sci., Manila **26** 1925 pp. 321–332.

1899.—**Malloch, J. R.** Some Far Eastern Muscidae (Diptera). Phil. J. Sci., Manila **26** 1925 pp. 507–510.

1900.—**Malloch, J. R.** Notes on Australian Diptera. V–VI. Proc. Linn. Soc. N. S. W., Sydney **50** 1925 pp. 35–46, 80–97.

1901.—**Malloch, J. R.** Notes on Australian Diptera with descriptions of thirteen new species. Austr. Zool., Sydney **3** 1925 pp. 322–338 1 fig.

Malloch, J. R. *see* McAtee & Malloch.

1902.—**Malyshev, S.** The nesting habits of spiral-horned bees of the genus *Systropha* Latr. [In Russian with English summary.] Rev. russe Ent., Leningrad **19** 1925 pp. 21–26 2 figs. [Hym.]

1903.—**Maneval, H.** Capture d'Ichneumonides nouveaux pour la faune française et note biologique sur une espèce de la même famille. Bull. Soc. ent. France, Paris **1925** pp. 88–89 1 fig. [Hym.]

1904.—**Maneval, H.** Nidification de l'*Osmia mitis* Nyl. (Hym. Apidae). Bull. Soc. ent. France, Paris **1925** pp. 199–200 1 pl.

1905.—**Mann, W. M.** Guests of *Eciton hamatum* (Fab.) collected by Prof. W. M. Wheeler. Psyche, Boston **32** 1925 pp. 166–177. [Col.]

1906.—**Mann, W. M.** New beetle guests of army ants. J. Washington Acad. Sci. **15** 1925 pp. 73–77. [Col.]

1907.—**Mann, W. M.** Ants collected by the University of Iowa Fiji–New Zealand expedition. Univ. Iowa Studies Nat. Hist., Iowa City **11** 1925 pp. 5–6. [Hym.]

1908.—**Marchoux, E.** Modes divers d'hibernation de l'*Anopheles maculipennis*. Bull. Soc. Path. exot., Paris **18** 1925 pp. 405–407. [Dipt.]

1909.—**Marcovitch, S.** The strawberry root louse in Tennessee. J. Agric. Res., Washington **30** 1925 pp. 441–449 3 pls. [Hom.]

1910.—**Maréchal, P.** Deuxième note sur l'éthologie des Chrysidides. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 27–33. [Hym.]

1911.—**Marowski, H.** Der Rückgang der Schmetterlingsfauna. Ent. Zs., Frankfort on M. **39** 1925 pp. 126–127. [Lep.]

1912.—Marschner, H. *Tephroclystia silenata* Stndf. Eine synoptische Behandlung seiner Formen. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 19–20, 35–36. [Lep.]

1913.—Marschner, H. Nigristiche und melanistiche Formen der Schmetterlinge des Riesengebirges. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 16–20, 22–27, 33–34. [Lep.]

1914.—Marshall, G. A. K. On new Curculionidae from Brazil (Coleoptera). Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 282–296.

1915.—Marshall, G. A. K. New Curculionidae attacking trees in India. Bull. Ent. Res., London **15** 1925 pp. 339–344 1 pl. [Col.]

1916.—Marshall, G. A. K. New Curculionidae attacking cultivated plants (Col.). Bull. Ent. Res., London **16** 1925 pp. 67–75 1 pl. 2 figs.

1917.—Marshall, G. A. K. New species of Curculionidae from the Sunda Islands (Coleoptera). Treubia, Buitenzorg **6** 1925 pp. 212–220.

1918.—Marten, W. Lepidopterologisches aus Spanien. Ent. Rdsch., Stuttgart **42** 1925 pp. 37–38. [Lep.]

1919.—Martin, C. J. & **Bacot,** A. W. The respective influences of temperature and moisture upon the survival of the rat flea (*Xenopsylla cheopis*) away from its host. J. Hygiene, London **23** 1924 pp. 98–105 3 figs. [Siphonap.]

1920.—Martini, E. Zwei bemerkenswerte Culiciden von einem eigenartigen Biotop. Internat. Rev. ges. Hydrobiol., Leipzig **12** 1925 pp. 333–337. [Dipt.]

1921.—Martini, E. Ueber *Anopheles*-Zucht (mit einigen *Anopheles*-Beobachtungen). Centralbl. Bakt., Jena **94** 1925 pp. 452–460 3 figs. [Dipt.]

Martinoff, A. *see* Martynov, A. V.

1922.—Martynov, A. V. Trichoptera [from the Arctic, 1909]. [In Russian; descriptions also in English.] Mém. Acad. imp. Sci., Petrograd Cl. phys.-math. (8) **28** no. 20 1916 21 pp. 15 figs.

1923.—Martynov, A. V. Sur l'interprétation de la nervuration et de la trachéation des ailes des Odonates et des Agnathes. [In Russian with French summary.] Rev. russe Ent., Leningrad **18** 1924 pp. 145–174 12 figs.

1924.—Martynov, A. V. L'évolution de deux formes d'ailes différentes chez les insectes. [In Russian with French summary.] Rev. zool. russe, Moscow **4** 1–2 1924 pp. 155–185, 5 figs.

1925.—[Martynov, A. V.] Мартынов, А. В. Notes on the Trichoptera of the Minussinsk district. [In Russian.] Ежегодник гос. Муз. им. н.м. Мартьянова г. Минусинске. [Jahrb. Martjanov. Staatsmus. Minussinsk] **2** no. 3 1924 pp. 62–107 13 figs.

1926.—Martynov, A. V. On the facetic organs in the wings of insects. [In Russian with English summary.] Trav. Soc. Naturalistes Leningrad **54** 2 1925 pp. 5–24 6 figs. [Trichop.]

1927.—Martynov, A. V. Sur une nouvelle forme d'Orthopteroidea des dépôts permiens dans la région de l'Oussouri méridional. C.R. Acad. Sci. Russie, Leningrad **1925** pp. 41–44 fig.

1928.—Martynov, A. Résumé des recherches sur les insectes fossiles des couches jurassiques du Turkestan. C.R. Acad. Sci. Russie, Leningrad **1925** pp. 105–108.

1929.—Martynov, A. To the knowledge of fossil insects from Jurassic beds in Turkestan. Bull. Acad. Sci. Russie, Leningrad **19** 1925 pp 233–246, 569–598, 753–762 29 figs.

1930.—Martynov, A. V. Ueber zwei Grundtypen der Flügel bei den Insecten und ihre Evolution. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 465–501 24 figs.

1931.—Marumo, N. List of Lepidoptera of the Islands Tanegashima and Yakushima. J. Coll. Agric., Imp. Univ. Tokyo **8** 1923 pp. 135–206 1 pl. (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. 198).)

1932.—Masi, L. Descrizione di due nuove specie africane di *Metapelma* (Hymen. Chalcididae). Ann. Mus. civ. Stor. nat., Genoa **51** 1923 pp. 38–41.

1933.—Masi, L. Descrizione di un nuovo genere di Eulofidi affine a *Wichmannia* (Hymen. Chalcididae). Ann. Mus. civ. Stor. nat., Genoa **51** 1924 pp. 145–148.

1934.—Masi, L. Note sui generi *Bruchobius, Oedaule* e *Sphaerakis*, con descrizione di nuove specie. (Hymen. Chalcididae.) Ann. Mus. civ. Stor. nat., Genoa **51** 1924 pp. 149–160 4 figs.

1935.—Masi, L. Reperti di Chalcididae rare o poco note. Boll. Soc. ent. ital., Genoa **57** 1925 p. 32. [Hym.]

1936.—Masi, L. Sui caratteri del genere *Astichus* con descrizione di una nuova specie (Hymen. Chalcididae). Boll. Soc. ent. ital., Genoa **57** 1925 pp. 83–88.

1937.—Masi, L. Su alcuni Calcididi della Tunisia. Ann. Mus. civ. Stor. nat., Genoa (3) **10** (**50**) 1925 pp. 281–290. [Hym.]

1938.—Mason, A. C. Biology of the papaya fruit-fly, *Toxotrypana curvicauda*, in Florida. U.S. Dept. Agric., Washington Bull. **1081** 1922 10 pp. 2 pls. [Dipt.]

1939.—Mason, G. W. The Lepidoptera of Lincolnshire. Part IV. Barton-on-Humber, [n.d.] pp. 1–45.

1940.—Mason, P. W. A revision of the insects of the Aphid genus *Amphorophora*. Proc. U.S. Nat. Mus., Washington **67** art. 20 no. 2592 1925 73 pp. 18 pls. [Hom.]

1941.—Massalongo, C. Appunti di Zoocecidologia italica. Marcellia, Avellino **14** 1915 pp. 3–10 8 figs.

1942.—Massalongo, C. Descrizione di zoocecidii della flora italica nuovi o rari. Marcellia, Avellino **15** (1916) 1917 pp. 112–117 12 figs.

1943.—Mast, S. O. & **Dolley,** W. L. The relation between the stimulating efficiency of intermittent light and the length of the light and the dark periods. Amer. J. Physiol., Baltimore **71** 1924 pp. 163–173, 2 figs. 3 tables. [Lep.]

1944.—Matheson, R. Notes on Chaoborinae (Diptera, Culicidae). Canad. Ent., Orillia **57** 1925 pp. 159–160.

1945.—Mathur, U. B. Colour variations in *Earias insulana* Boisd. in the Punjab. Rept. Proc. 5th Ent. Meeting Pusa **1923**, Calcutta 1924 pp. 53–55. [Lep.]

1946.—Matsumura, S. An enumeration of the butterflies and moths from Saghalien, with descriptions of new species and subspecies. J. Coll. Agric. Hokkaido Imp. Univ., Sapporo **15** 1925 pp. 83–196 4 pls. [Lep.]

1947.—Maulik, S. Note on the nomenclature of the Coleopterous genera *Chrysomela*, L., and *Melasoma*, Steph. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 95–96.

1948.—Maulik, S. Deuxième note sur *Callispa latipennis* Pic. Entomologist, London **58** 1925 pp. 166–167. [Col.]

1949.—Maulik, S. & **Dover,** C. The larva and pupa of an Indian Cassidine beetle (*Prioptera decemmaculata* Boh.). Proc. Zool. Soc. London **1924** pp. 1087–1090. [Col.]

1950.—Mavor, J. W. The production of non-disjunction by X-Rays. J. Exptl. Zool., Philadelphia **39** 1924 pp. 381–432 9 figs. [Dipt.]

1951.—Mavor, J. W. & **Svenson,** H. K. A comparison of the effects of X-rays and temperature on linkage and fertility in *Drosophila*. Genetics, Brooklyn **9** 1924 pp. 588–608 5 tables 8 figs. [Dipt.]

1952.—Mayer, L. & **Ronnicke,** P. Zur Frage des Vorkommens einer dritten Generation bei *Colias myrmidone* Esp. Mitt. natur. Ver. Steierm., Graz **53** 1917 pp. 35–45. [Lep.]

1953.—Mecke, C. Ueber Zählebigkeit von Raupen und einige interessante Schmetterlingsfunde. Intern. ent. Zs., Guben **19** 1925 pp. 58–59. [Lep.]

1954.—Meder, O. Die Nährpflanzen des *Papilio machaon* L. Intern. ent. Zs., Guben **19** 1925 pp. 185–188. [Lep.]

1955.—[Meier, N. F.] Мейер, Н. Ф. The Ichneumonid Fauna of the Tambov Government. [In Russian.] Repts. Bur. App. Ent. Agric. Sci. Comm., [Petrograd] **1** 1921 pp. 80–90. [Hym.]

1956.—[Meier, N. F.] **Meyer,** N. Th. Notice sur les Ichneumonides du gouvernement de Minsk. [In Russian, descriptions in German.] Rev. russe Ent., Leningrad **18** 1924 pp. 213–216. [Hym.]

1957.—[Meier, N. F.] **Meyer,** N. Notice sur la biologie de l'*Angitia fenestralis* Holmgr. (Ichneumonidae) et sur l'immunité des insectes. (Note

préliminaire.) [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 147–150 4 figs. [Hym.]

1958.—[**Meier**] **Meyer,** N. F. Zur Biologie und Morphologie von *Pimpla examinator* Fabr. (Hymenoptera, Ichneumonidae). Zs. angew. Ent., Berlin **11** 1925 pp. 202–212 12 figs.

1959.—**Meijere,** J. C. H. de. Gliederfüssler: Arthropoda. Klasse Hexapoda, Ordnung Diptera. In BRONN's Klassn. Ordn. Tier-Reichs, Leipzig **5** Abt. III 1916 Lief. 1–4 pp. 1–64, 2 pls. [Dipt.]

1960.—**Meijere,** J. C. H. de. Die Larven der Agromyzinen. Tijdschr. Ent., The Hague **68** 1925 pp. 195–293 60 figs. [Dipt.]

1961.—**Meissner,** O. Paralipomena dixippica (Nachträge zu meinen Aufsätzen über die Biologie von *Dixippus morosus* Br.). Ent. Zs., Frankfort on M. **38** 1924 pp. 33–34, 65–66. [Orth.]

1962.—**Meissner,** O. Insektenpsychologie. Ent. Zs., Frankfort on M. **38** 1924 pp. 55–56; **39** 1925 pp. 1–2, 7–8, 11, 14–15, 105–106, 110–111, 115.

1963.—**Meissner,** O. Rückgang auch der Käferfauna. Ent. Zs., Frankfort on M. **39** 1925 pp. 137–138. [Col.]

1964.—**Meissner,** O. Einige entomologisch-etymologische Bemerkungen. Intern. ent. Zs., Guben **19** 1925 pp. 163–164.

1965.—**Meissner,** O. Der letzte warme Winter (1924–25), seine meteorologischen Tatsachen und seine entomologischen Wirkungen. Intern. ent. Zs., Guben **19** 1925 pp. 193–195.

1966.—**Meixner,** J. *Trechus* (*Arctaphaenops* nov. subgen.) *angulipennis* n. sp. ein Höhlenlaufkäfer aus dem Dachsteinmassiv. (Studien über die Gattung *Trechus* III.). Koleopt. Rundsch., Vienna **11** 1925 pp. 130–136 3 figs. [Col.]

1967.—**Melander,** A. L. & **Argo,** N. G. Revision of the two-winged flies of the family Clusiidae. Proc. U.S. Nat. Mus., Washington **64** 1924 art. 11 no. 2501 54 pp. 4 pls. [Dipt.]

1968.—**Melichar,** L. Monographie der Cicadellinen. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 195–243. [Hom.]

1969.—**Melzer,** J. Observações sobre os Cerambycidos do grupo de Compsocerini. Rev. Mus., São Paulo **10** 1918 pp. 420–435 1 pl. [Col.]

1970.—**Melzer,** J. Longicornios novos ou pouco conhecidos do Brasil. Rev. Mus., São Paulo **12** 1920 Pt. II pp. 4[illegible]–437 2 pls. [Col.]

1971.—**Melzer,** J. Longicornios (Col.) do Brasil, novos ou pouco conhecidos. Notas preliminares (Museu Paulista), São Paulo **2** 1923 no. 3 pp. 3–4; no. 4 pp. 3–10.

1972.—**Menozzi,** C. Alcune nuove formiche africane. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1924 pp. 220–227 4 figs. [Hym.]

1973.—**Menozzi,** C. Note staccate di mirmecologia. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 17–22 2 figs.

1974.—**Menozzi,** C. Une nouvelle espèce du genre *Pseudisobrachium* Kieff. (Hymen.-Bethylidae). Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 111–113 2 figs.

1975.—**Menozzi,** C. Res mutinensis Formicidae. Atti Soc. Nat. Mat. Modena (6) **3** (1924) 1925 pp. 22–47, 2 figs. [Hym.]

1976.—**Menozzi,** C. Qualche formica nuova od interessante del Deutsch. Ent. Institut di Dahlem (Form.). Ent. Mitt., Berlin **14** 1925 pp. 368–371 3 figs. [Hym.]

1977.—**Menozzi,** C. Nouvelles fourmis des Philippines. Philipp. J. Sci., Manila **28** 1925 pp. 439–449 1 pl. [Hym.]

1978.—**Méquignon,** A. Description de deux *Rhizophagus* nouveaux de l'Europe méridionale (Col. Nitidulidae). Bull. Soc. ent. France, Paris **1925** pp. 13–15.

1979.—**Méquignon,** A. Etude synonymique sur les Melasidae (Col.) 2e note. Bull. Soc. ent. France, Paris **1925** pp. 187–188, 240.

Mercanton, P. L. *see* Quervain & Mercanton.

1980.—**Mercet,** R. G. Encyrtides et Aphelinides d'Egypte (Hymenopt. Chalcid.). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 46–55 2 figs.

1981.—Mercet, R. G. El género *Aphycus* y sus afines (Hym. Chalc.). Eos, Madrid **1** 1925 pp. 7–31 12 figs.

1982.—Mercet, R. G. Adiciones a la fauna española de Encírtidos (Hym. Chalc.) 5a nota. Eos, Madrid **1** 1925 pp. 321–337 3 figs.

1983.—Mercet, R. G. Adiciones à la fauna española de Encírtidos (4a nota) y una especie nueva de Francia. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 146–153, 2 figs.

1984.—Mercet, R. G. La polilla de la patata. Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925 pp. 469–476, 4 figs. [Lep.]

1985.—Mercier, L. Essai sur la constitution de la faune des Diptères de la Côte du Calvados. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 643–647.

1986.—Mercier, L. Diptères de la Côte du Calvados. (Ve Liste.) Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 173–182.

1987.—Mercier, L. & **Villeneuve,** J. Contribution à l'étude de l'anatomie de la tête des Diptères cyclorrhaphes. La ptiline et le muscle ptilino-pharyngien. C.R. Acad. Sci., Paris **181** 1925 pp. 882–884 2 figs. [Dipt.]

1988.—Merker, E. Die Empfindlichkeit feuchthäutiger Tiere im Lichte. Zool. Jahrb., Jena Abt. f. Allgem. **42** 1925 pp. 32–34. [Dipt.]

1989.—Mertz, H. Wie soll gespannt werden? Intern. ent. Zs., Guben **19** 1925 p. 96. [Lep.]

1990.—Metcalf, Z. P. The beach pool leaf-hopper complex. Ecology, Brooklyn **5** 1924 pp. 171–174 1 fig. [Hom.]

1991.—Metcalf, Z. P. & **Bruner,** S. C. Notes and descriptions of the Cercopidae of Cuba. Psyche, Boston **32** 1925 pp. 95–105. [Hom.]

1992.—Metschl, C. *Colias hyale* L., *Col. edusa* F. und *Col. myrmidone* Esp., ihr Formenkreis und einige neue Aberrationen aus dem Faunengebiete Regensburg. Mitt. münchn. ent. Ges., Munich **12** 1922 pp. 5–15. [Lep.]

1993.—Metschl, C. Einige interessante Schmetterlingsformen aus dem Faunengebiet von Regensburg. Intern. ent. Zs., Guben **19** 1925 pp. 25–28. [Lep.]

1994.—Metz, C. W. Prophase chromosome behavior in triploid individuals of *Drosophila melanogaster*. Genetics, Brooklyn **10** 1925 pp. 345–350. [Dipt.]

1995.—Metz, C. W. Chromosomes and sex in *Sciara*. Science, Garrison, N.Y. **61** 1925 pp. 212–214, 6 figs. [Dipt.]

Meyer, N. *see* Meier, N. F.

1996.—Meyer, R. Zur Bienengattung *Sphecodes*. Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 12 pp. 1–12. [Hym.]

Meyer, R. *see* Schander & Meyer.

1997.—Meyer, W., **Noack,** P., **Richter,** O., **Ule,** C. H. & **Urbahn,** E. Die Grossschmetterlinge des pommerschen Odertals 1900–1925. Stettin. ent. Ztg., **85** (1924) 1925 pp. 79–132; **86** 1925 pp. 101–166. [Lep.]

1998.—Meyrick, E. Lepidoptera Heterocera, fam. Carposinidae. Gen. Ins., Brussels fasc. **179** 1922 pp. 1–10 1 pl.

1999.—Meyrick, E. Lepidoptera Heterocera. Fam. Oecophoridae. Gen. Ins., Brussels fasc. **180** 1922 pp. 1–224 6 pls.

2000.—Meyrick, E. Lepidoptera Heterocera, fam. Gelechiadae. Gen. Ins., Brussels fasc. **184** 1925 pp. 1–290 5 pls.

2001.—Meyrick, E. Exotic Microlepidoptera, Marlborough, **3** pt. 5 1925 pp. 129–160.

2002.—Meyrick, E. Wegener's hypothesis and the distribution of Micro-Lepidoptera. Nature, London **115** 1925 pp. 834–835.

2003.—Meyrick, E. On the genus *Mystax* and a new species of *Opogona*. Entomologist, London **58** 1925 pp. 184–185. [Lep.]

2004.—Meyrick, E. Lepidoptera of the Chatham Islands. Rec. Canterbury Mus., Christchurch, N.Z. **2** 1925 pp. 269–275. [Lep.]

2005.—Meyrick, E. Descriptions of twenty-four new Egyptian Microlepidoptera. Bull. soc. R. ent. Egypte, Cairo **1925** pp. 206–219.

2006.—**Michael,** O. Studien über die Familie der *Agrias.* Ent. Zs., Frankfort on M. **39** 1925 pp. 53–55, 59–60, 65, 67–68, 71–72, 75–76, 81–82, 85–87, 90–91, 95, 100, 102–103, 111–112. [Lep.]

2007.—**Michelmore,** A. P. G. Notes on Paraneuroptera, Orthoptera, and Neuroptera in 1924. Entomologist, London **58** 1925 pp. 10–12.

2008.—**Michelmore,** A. P. G. British Orthoptera in 1925—Wilts and Devon. Entomologist, London **58** 1925 pp. 286–288.

2009.—**Michelmore,** A. P. G. Lists of various insects of the Marlborough District. Rep. Marlborough Coll. Nat. Hist. Soc. **73** (1924) 1925 pp. 80–105.

2010.—**Mickel,** C. E. New species of Sphecoidea from the central and western States. Nebraska Univ. Studies, Lincoln **17** (1917) 1918 pp. 319–341. [Hym.]

2011.—**Mickel,** C. E. A synopsis of the Sphecoidea of Nebraska (Hymenoptera). Nebraska Univ. Studies, Lincoln **17** (1917) 1918 pp. 342–456 2 figs.

2012.—**Miles,** H. W. Notes on Tachinid Flies. Trans. Lincolnshire Nat. Union **1924**, reprint, 4 pp. 2 pls. [Dipt.]

2013.—**Miller,** N. C. E. A list of Acrididae (Orthoptera) collected in the Tukuyu (New Langenburg) District, Tanganyika Territory. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 618–634 7 figs.

2014.—**Mills,** R. O. Some observations and experiments on the irritating properties of the larva of *Parasa hilarata* Staudinger. Amer. J. Hyg., Baltimore **5** 1924 pp. 342–363 11 figs. [Lep.]

Mimeur, J. *see* Vayssière & Mimeur.

2015.—**Minami,** S. Untersuchungen über das Flügelmosaik intersexueller Männchen von *Lymantria dispar* L. Arch. mikr. Anat., Berlin **104** 1925 pp. 24–49 5 figs. [Lep.]

2016.—**Minkiewicz,** S. The apple sucker (*Psylla mali* Schmidberger). Part I. The morphology and the colouring. Mém. Inst. nat. polon. Econ. rur. Pulawy, Cracow **5** 1924 pp. 250–267 (English summary pp. 267–270) 2 pls. [Hom.]

2017.—**Minkiewicz,** S. The apple sucker, *Psylla mali,* Schmidberger. Part I. Morphology. Bull. intern. Acad. polon. Sci. Cracow B **1924** pp. 589–603 2 pls. [Hom.]

2018.—**Minnich,** D. E. The reactions of the larvae of *Vanessa antiopa* Linn. to sounds. J. Exptl. Zool., Philadelphia **42** 1925 pp. 443–469 2 figs. [Lep.]

2019.—**Misra,** C. S. A preliminary account of the tachardiphagous Noctuid moth *Eublemma amabilis.* Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 238–247. [Lep.]

2020.—**Misra,** C. S. Observations on some Rhynchota from northern India. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta, 1924 pp. 300–317 2 pls.

2021.—**Misra,** C. S. A list of Coccidae in the Pusa collection. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 345–351. [Hom.]

2022.—**Missiroli,** A. I tuboli del Malpighi nell' *Anopheles claviger* ibernante. Ann. d'Igiene, Rome **35** 1925 pp. 113–122 1 chart 2 figs. [Dipt.]

2023.—**Mitterberger,** K. Zur Bestimmung der auf Eichen vorkommenden heimischen *Coleophora*-Säcke. Zs. österr. Ent.-Ver., Vienna **1** 1916 pp. 10–11. [Lep.]

2024.—**Mitterberger,** K. Beitrag zur Mikrolepidopterenfauna des Aspromonte-Gebirges (Südkalabrien). Soc. ent., Stuttgart **40** 1925 pp. 26–28, 30–32, 34–35.

2025.—**Miyoshi,** K. *Onychiurus yagii* Kinoshita n. sp. a noxious insect of wheat. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 44–47 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (107).) [Collembola.]

2026.—**Miyoshi,** K. *Apanteles smerinthii* n. sp. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 83–88 3 figs. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (107).) [Hym.]

2027.—**Mjöberg,** E. Dr. E. Mjöberg's Zoological Collections from Sumatra. 1. General Introduction. Ark. Zool., Stockholm **17A** no. 13 1925 pp. 1–7.

2028.—Mjöberg, E. The mystery of the so-called "trilobite larvae" or "Perty's larvae" definitely solved. Psyche, Boston **32** 1925 pp. 119–157 4 pls. 2 figs. [Col.]

2029.—Mjöberg, E. A new genus of sucking lice. Psyche, Boston **32** 1925 pp. 283–284 1 fig. [Anoplura.]

Mjöberg, E. *see* Schmitz & Mjöberg.

2030.—Mochizuki, D. Culicidae collected in the Fukuoka District. [In Japanese.] Mag. Fukuoka Med. Coll. **7** 1913 reprint 65 pp. 42 figs. [Dipt.]

2031.—Mohn, P. Wo bleiben die Puppen von *Apatura iris* und *clytie*? Ent. Zs., Frankfort on M. **39** 1925 p. 17. [Lep.]

2032.—Mohr, O. L. Cases of mimic mutations and secondary mutations in the X-chromosome of *Drosophila melanogaster*. Zs. indukt. Abstammgslehre, Berlin **28** 1922 pp. 1–22 7 tables 4 figs. [Dipt.]

2033.—Mohr, O. A minute-like III-chromosome recessive in *Drosophila melanogaster*. Brit. J. Exper. Biol., Edinburgh **2** 1925 pp. 189–198 1 fig. [Dipt.]

Monnot, E., *see* Houlbert & Monnot.

2034.—Monod, T. Sur un *Pseudoxenos* parasite d'*Odynerus crenatus* Lepeletier. Bull. Soc. zool., Paris **50** 1925 pp. 230–244 3 figs. [Col.]

2035.—Montet, G. Les types d'Hyménoptères de Tournier de Muséum d'Histoire naturelle de Genève. I. Genre *Pedimaspis* Kohl. Rev. suisse Zool., Geneva **32** 1925 pp. 215–237 14 figs.

2036.—Montgomery, B. E. Records of Indiana Dragonflies, I. Proc. Indiana Acad. Sci., Brookville **34** (1924) 1925 pp. 383–389. [Odon.]

2037.—Montschadsky, A. Neue Ergebnisse über Anatomie und Funktion des Atmungsapparates der Culiciden-Larven. [In Russian with German summary.] Trav. Soc. Nat. Leningrad **54** 1 1925 pp. 83–93 5 figs. [Dipt.]

Moore, B. *see* Adams, Burns, etc.

2038.—Mordvilko, A. K. Les Pucerons des Graminées (Aphidodea). [In Russian.] Bull. Sta. région. Protectrice des Plantes, Petrograd **3** 1921 pp. 1–72 19 figs. [Hom.]

2039.—Mordvilko, A. From the history of some groups of Aphids. C.R. Acad. Sci. Russie, Leningrad Sér. A **1924** pp. 46–49. [Hom.]

2040.—Mordvilko, A. Aphids with incomplete cycles of generations and their origin. C.R. Acad. Sci. Russie, Leningrad Sér. A **1924** pp. 50–53. [Hom.]

2041.—Mordvilko, A. Anholocyclic Aphids and the glacial epoch. Anholocyclic Uredinales. C.R. Acad. Sci. Russie, Leningrad Sér. A **1924** pp. 54–56. [Hom.]

2042.—Mordvilko, A. On the theory of plant lice migrations. C.R. Acad. Sci. Russie, Leningrad Sér. A **1924** pp. 141–144. [Hom.]

2043.—Mordvilko, A. Cases of heteroecy in the plant lice resulting from primary polyphagy. C.R. Acad. Sci. Russie, Leningrad Sér. A **1924** pp. 161–162. [Hom.]

2044.—Moreira, C. Pulgões do Brasil. Minist. Agric. Ind. e Comm., Inst. biol. Defesa agric., Rio de Janeiro Bol. no. **2** 1925 34 pp. 19 figs. [Hom.]

2045.—Moreira, C. Insectos Coleopteros Passalideos do Brasil. Museu Nac., Rio de Janeiro, Fauna brasiliense N.S. no. **1** 1925 52 pp. 36 figs. 4 pls.

2046.—Morgan, A. C. A new genus, a new subgenus and seven new species of Thysanoptera from Porto Rico. Florida Ent., Gainesville **9** 1925 pp. 1–7.

2046a.—Morgan, A. C. Six new species of *Frankliniella* and a key to the American species. Canad. Ent., Orillia **57** 1925 pp. 136–147. [Thysanop.]

2047.—Morgan, E. D. Plants and Lepidoptera. Trans. Proc. Torquay Nat. Hist. Soc. **4** 1925 pp. 244–254 1 table.

2048.—Morgan, L. O. On the cytoplasmic inclusions in the male germ cells of *Cyrtophyllus*. Anat. Rec., Philadelphia **30** 1925 pp. 305–319 3 pls. [Orth.]

2049.—Morgan, L. V. Polyploidy in *Drosophila melanogaster* with two attached X chromosomes. Genetics, Brooklyn **10** 1925 pp. 148–178 7 tables 6 figs. [Dipt.]

2050.—Morgan, T. H. & **Bridges,** C. B. Sex-linked inheritance in *Drosophila.* Carnegie Inst. Publ., Washington **237** 1916 pp. 1–87 2 pls. 65 tables 8 figs.

2051.—Morgan, T. H., **Bridges,** C. B., **Sturtevant,** A. H. The genetics of *Drosophila.* Bibliographia Genetica, The Hague **2** 1925 pp. 1–262 6 pls., 62 figs. [Dipt.]

Morgan, T. H. *see* Bridges & Morgan.

2052.—Morgan, W. D. Notes on the function of the forceps of Earwigs. Proc. Indiana Acad. Sci., Brookville **33** (1923) 1924 pp. 303–306 7 figs.; **34** (1924) 1925 pp. 347–348. [Derm.]

2053.—Morhaus, A. G. Insectenetende Planten. Natura, The Hague **1925** pp. 86–88.

2054.—Morice, F. D. Two unrecorded British sawflies. Trans. Ent. Soc. London **1924** 1925 pp. cxv-cxvii, 1 pl. [Hym.]

2055.—Morice, F. D. A male of *Pteronus similis.* Trans. Ent. Soc. London **1925** pp. xxix-xxxi. [Hym.]

2056.—Morris, H. M. Note on the wheat bulb fly (*Leptohylemyia coarctata,* Fall.). Bull. Ent. Res., London **15** 1925 pp. 359–360 1 fig. [Dipt.]

2057.—Morrison, H. Classification of scale-insects of the subfamily Ortheziinae. J. Agric. Res., Washington **30** 1925 pp. 97–154 42 figs. [Hom.]

2058.—Morrison, H. Identity of the mealybug described as *Dactylopius calceolariae* Maskell. J. Agric. Res., Washington **31** 1925 pp. 485–500 6 figs. [Hom.]

2059.—Morstatt, A. Die stachellosen Bienen (Trigonen) in Ostafrika und das Hummelwachs. Arb. biol. Reichsanst. f. Land- u. Forstw., Berlin **10** 1920 pp. 283–305. [Hym.]

2060.—Mortensen, T. Some observations on Protective Mimicry. Treubia, Buitenzorg **6** 1925 pp. 207–211 1 fig.

2061.—Morton, K. J. *Macromia splendens* at last. Ent. Mo. Mag., London **61** 1925 pp. 1–5. [Odon.]

2062.—Morton, K. J. *Mystrophora intermedia* Klap., new to the British fauna, and *Apatania muliebris* McLach., two species of Trichoptera from the Lake District. Ent. Mo. Mag., London **61** 1925 p. 130.

2063.—Moser, J. Zwei neue *Lepidiota*-Arten von Holländisch Neu-Guinea (Col. Melolonth.). Nova Guinea, Leyden **15** 1924 pp. 31–32.

2064.—Moser, J. Fauna sumatrensis. (Beitrag Nr. 9). Melolonthini. Col. (Beitrag Nr. 10). Cetonini. Col. Ent. Mitt., Berlin **14** 1925 pp. 252–254.

2065.—Moser, J. New Philippine Cetoniidae. Philipp. J. Sci., Manila **27** 1925 p. 69. [Col.]

Moser, J. *see* Kleine, Spaeth and Moser.

2066.—Muesebeck, C. F. W. A revision of the parasitic wasps of the genus *Microbracon* occurring in America north of Mexico. Proc. U.S. Nat. Mus., Washington **67** 1925 art. 8 no. 2580 pp. 1–85 2 pls. [Hym.]

2067.—Muir, F. The male genitalia of *Cupes concolor* Westw. (Coleoptera). J. New York Ent. Soc. **32** 1924 pp. 167–169 1 pl.

2068.—Muir, F. On the status of the anterior processes of the male genitalia in Homoptera. Proc. Hawaiian Ent. Soc. Honolulu **6** 1925 pp. 41–45.

2069.—Muir, F. On the genera of Cixiidae, Meenoplidae and Kinnaridae (Fulgoroidea, Homoptera). Pan-Pacific Ent., S. Francisco **1** 1925 pp. 97–110, 156–163.

2070.—Muir, F. On the genera *Amblycotis* Stål and *Bostaera* Ball (Delphacidae, Homoptera). Canad. Ent., Orillia **57** 1925 p. 279.

2071.—Muir, F. *Parandes,* a new Cixiid genus (Homoptera, Fulgoroidea). Philipp. J. Sci., Manila **26** 1925 pp. 511–512 2 figs.

2072.—Muir, F. The genus *Andes* Stal (Cixiidae, Homoptera). Philipp. J. Sci., Manila **27** 1925 pp. 201–226 2 pls.

2073.—Muir, F. A new species of *Oliarus* from China (Fulgoroidea, Homoptera). Philipp. J. Sci., Manila **28** 1925 pp. 365–366 1 fig.

2074.—Muir, F. On some Fulgorids (Hemiptera-Homoptera) from the Island of Rodriguez. Trans. Ent. Soc. London **1924** 1925 pp. 463–474 2 pls.

2075.—Muir, F. Two new species of exotic Delphacidae (Homoptera). Ent. Mo. Mag., London **61** 1925 pp. 221–222 1 fig.

2076.—Mukaikawa, Y. Studies on *Clytanthus annularis* F. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 51–53 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (104).) [Col.]

2077.—Mukherji, D. & Ribeiro, S. On a collection of ants (Formicidae) from the Andaman Islands. Rec. Ind. Mus., Calcutta **27** 1925 pp. 205–209. [Hym.]

2078.—Müller, —. Faltermord und Falterschutz. Ent. Zs., Frankfort on M. **38** 1924 p. 6. [Lep.]

2079.—Müller, G. Le formiche della Venezia Giulia e della Dalmazia. Bol. Soc. adriat. Sci. nat., Trieste **28** 1923 pp. 11–180. [Hym.]

2080.—Müller, G. Terzo contributo alla conoscenza del genero *Staphylinus* L. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 40–48. [Col.]

2081.—Müller, G. Ueber einige Höhlenkäfer aus Jugoslavien. Wiener ent. Ztg., Vienna **42** 1925 pp. 45–48. [Col.]

2082.—Müller, G. W. Kalk in der Haut der Insekten und die Larve von *Sargus cuprarius* L. Zs. Morph. Oekol. Tiere, Berlin **3** 1925 pp. 542–566 1 pl. 1 fig.

2083.—Müller, H. Zwei Hymenopterenzwitter. Mitt. ent. Ges. Halle a. S., Berlin **11** 1917 pp. 74–76 4 figs.

2084.—Muller, H. J. Why polyploidy is rarer in animals than in plants. Amer. Nat., New York **59** 1925 pp. 346–353. [Dipt.]

Müller, J. *see* Müller, G.

2085.—Müller, L. Entomologisches aus Oberösterreich. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 63–66, 74–77, 89–92, 99–102, 107–109, 120–121.

2086.—Müller-Rutz, J. Ueber Genitaluntersuchungen bei Schmetterlingen. Mitt. schweiz. ent. Ges., Bern **13** 1925 pp. 429–434 3 figs. [Lep.]

2087.—Mundinger, F. G. A preliminary list of the Buprestidae and Cerambycidae of the Cranberry Lake Region. New York State Coll. Forestry, Syracuse Tech. Pubn. **17** 1924 pp. 313–320. [Col.]

2088.—Munro, H. K. Fruit-flies of wild olives. Union S. Africa Dept. Agric., Pretoria Ent. Mem. **2** 1924 pp. 5–17 4 pls. 1 fig. [Dipt.]

2089.—Munro, H. K. Biological notes on South African Trypaneidae (Fruit-flies). I. Union S. Africa Dept. Agric., Pretoria Ent. Mem. **3** 1925 pp. 39–67. [Dipt.]

2090.—Munster, T. Bidrag til kjendskapen om slekten *Atheta* Thoms. (Col., Staph.). 3. Den mikroskopiscke overflateskulptur. 4. Bestemmelsestabel. Norsk ent. Tidsskr., Oslo **2** (1924) 1925 pp. 5–30.

2091.—Munster, T. Gyrinidae (Col.). De norske arter. Norsk ent. Tidsskr., Oslo **2** (1924) 1925 pp. 30–38.

Muramatsu, S. *see* Okamoto & Muramatsu.

2092.—Murayama, J. On the Platypodidae of Formosa. J. Coll. Agric. Hokkaido Imp. Univ., Sapporo **15** 1925 pp. 197–236 4 pls. [Col.]

2093.—Musgrave, A. The animal life of the Nepean river. Austr. Mus. Mag., Sydney **2** 1925 pp. 215–216 3 photos.

2094.—Musgrave, A. Australian Nycteribiidae. Rec. Austr. Mus., Sydney **14** 1925 pp. 289–300 2 pls. [Dipt.]

2095.—Mutchler, A. J. Coleoptera from the Williams Galapagos Expedition. Zoologica, New York **5** 1925 pp. 219–240 1 map 5 figs.

2096.—Mutchler, A. J. & Weiss, H. B. Beetles of the genus *Conotrachelus* known to occur in New Jersey. N. Jersey Dept. Agric., Trenton Circ. **87** 1925 22 pp. 6 pls. [Col.]

2097.—Myers, I. & J. G. The sound organs and songs of New Zealand Cicadidae. Rept. Austral. Ass. Adv. Sci., Sydney **16** 1924 pp. 420–430. [Hom.]

2098.—Myers, J. G. The Hemiptera of the Chatham Islands. Rec. Canterbury Mus., Christchurch N.Z. **2** 1924 pp. 171–185 13 figs.

2099.—**Myers,** J. G. Biological notes on *Arachnocoris albomaculatus* Scott (Hemiptera; Nabidae). J. New York Ent. Soc. **33** 1925 pp. 136–146 1 pl.

2100.—**Nabours,** R. K. Studies of inheritance and evolution in Orthoptera. V. The grouse locust, *Apotettix eurycephalus*, Hancock. Kansas State Agric. Coll. Expt. Sta., Manhattan Tech. Bull. **17** 1925 231 pp. 1 pl.

2101.—**Nachtsheim,** H. Kern und Plasma in ihrer Bedeutung für die Vererbung. Zs. indukt. Abstammgslehre, Berlin **27** 1922 pp. 249–251. [Dipt.]

2102.—**Nadbyl,** —. Zum Rückgang der Schmetterlingsfauna. Ent. Zs., Frankfort on M. **39** 1925 pp. 142–143, 147–148. [Lep.]

2103.—**Nagel,** P. Neues über Hirschkäferarten (Col. Lucan.). D. ent. Zs., Berlin **1924** pp. 396–404.

2104.—**Nagel,** P. Neues über Hirschkäferarten. (Col. Lucan.) Ent. Mitt., Berlin **14** 1925 pp. 166–176 3 figs.

Naoki, W. *see* Terao & Naoki.

2105.—**Nasonov,** N. V. Zoological collections presented to the Zoological Museum of the Academy by the expeditions of the "Tajmyr" and the "Vajgač" during 1910–15. [In Russian.] Bull. Acad. imp. Sci., Petrograd (6) **10** 1916 pp. 1492–1504.

Nath, Lala Dina *see* Husain & Nath.

2106.—**Nath,** V. Mitochondria and sperm-tail formation, with particular reference to moths, scorpions and centipedes. Q.J. Microsc. Sci., London **69** 1925 pp. 644–659 3 figs.

2107.—**Naufock,** A. Ei, Raupe und Puppe von *Erebia nerine* F. Zs. österr. Ent.-Ver., Vienna **5** 1920 p. 14 1 fig. [Lep.]

2108.—**Navás,** L. Neuroptera nova africana. Ser. 1–3, 7. Mem. pont. Accad. n. Lincei, Rome **32** 1914 pp. 81–108 10 figs.; (2) **2** 1916 pp. 51–58 6 figs. [Ser. 4–6. in 1921 Rec.]

2109.—**Navás,** L. Neuroptera nova americana, 1–2. Mem. pont. Accad. n. Lincei, Rome (2) **2** 1916 pp. 59–80, 14 figs.

2110.—**Navás,** L. Insecta nova. Ser. 3–4, 8–10. Mem. pont. Accad. n. Lincei, Rome (2) **4** 1918 pp. 1–23 11 figs.; (2) **6** 1923 pp. 1–27, 9 figs. [Ser. 1. & 2. in 1918 Rec., Ser. 5–7, in 1921 Rec.] [Neur. etc.]

2111.—**Navás,** L. Insecta orientalia. Ser. 1–3. Mem. pont. Accad. n. Lincei, Rome (2) **6** 1923 pp. 29–41 2 figs.; (2) **7** 1924 pp. 211–228 2 figs.

2112.—**Navás,** L. Notas sobre Embiopteros. Rev. Acad. Ci. Zaragoza, **8** 1923 pp. 9–17 figs. 1924 (h

2113.—**Navás,** L. Entomología de Catalunya. Neuròpters. Fascicle I. Neuròpters propis. 270 pp. 113 figs. 2 pls. Inst. d'Estudis Catalans, Barcelona 1924.

2114.—**Navás,** L. Excursio Entomologica al Cabrerés (Girona–Barcelona) del 8 al 18 de Juliol de 1923. Publ. Junta Ci. nat., Barcelona **4** no. 10 1924 pp. 1–59 6 figs. 1 map.

2115.—**Navás,** L. Insectes de l'excursio de D. Ascensi Codina a Castella i Andalusia al Juny de 1923. Publ. Junta Ci. nat., Barcelona **4** no. 11 1924 pp. 1–10, 2 figs. [Orth., Neur.]

2116.—**Navás,** L. Sinopsis de los Neurópteros (Ins.) de la peninsula ibérica. Mem. Soc. iber. Ci. nat., Saragossa **4** 1924 pp. 1–150, 88 figs.

2117.—**Navás,** L. Synopsis des Rhaphidioptères (Ins.) de France. C.R. Assoc. franç. Avanc. Sci., Paris **47** (1923) 1924 pp. 580–585 4 figs. [Neur.]

2118.—**Navás,** L. Algunos insectos de Chile.—2a Serie. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 12–16. [Neur.]

2119.—**Navás,** L. Insectos exóticos nuevos o poco conocidos. Mem. R. Ac. Ci. Barcelona **19** no. 5 1925 pp. 1–22 24 figs. [Neur.]

2120.—**Navás,** L. Más Crisópidos (Neur.) de Cuba. Bol. Soc. ent. España, Saragossa **8** 1925 pp. 85–88.

2121.—**Navás,** L. Sinopsis de los rafidiópteros de Francia. Bol. Soc. iber. Ci. nat., Saragossa **24** 1925 pp. 41–48 4 figs. [Neur.]

2122.—**Navás,** L. Algunos Insectos del Museo de París. 2a Série. Brotéria, Caminha **22** 1925 pp. 75–83 4 figs. [Neur., etc.]

2123.—Navás, L. Les Dilarides (Ins. Névroptères) du Muséum National de Paris. Bull. Mus. Hist. nat. Paris **1925** pp. 188–189.

2124.—Navás, L. Névroptères nouveaux. Ann. Soc. sci. Bruxelles **44** 1925 C.R. pp. 566–573 5 figs.

2125.—Navás, L. Insectes du Congo Belge. Rev. zool. afric., Brussels **13** 1925 pp. 123–132. [Neur.]

2126.—Navás, L. Neuropteren, Megalopteren, Plecopteren und Trichopteren. I. Serie. Ent. Mitt., Berlin **14** 1925 pp. 205–212 6 figs.

2127.—Navás, L. Neuropteren aus Brasilien. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 64–68 3 figs.

2128. — Navás, L. Névroptères d'Egypte et de Palestine. Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 29–36 3 figs.

2129.—Necheles, H. Ueber Wärmeregulation bei wechselwarmen Tieren. Ein Beitrag zur vergleichenden Physiologie der Wärmeregulation. Arch. ges. Physiol., Berlin **204** 1924 pp. 72–86 8 figs. [Orth.]

2130.—Necheles, H. Zur Sinnesphysiologie von *Anopheles.* Arch. Schiffs- u. Trop.-Hyg., Leipzig **29** 1925 pp. 288–291. [Dipt.]

2131.—Needham, J. G. Some aquatic Neuropteroid insects of Lake George. Ent. News, Philadelphia **36** 1925 pp. 110–116.

2132.—Needham, J. G. Observations on a flower gall of the Chaparral. J. Ent. & Zool., Claremont, Cal. **17** 1925 pp. 17–20 1 fig. [Dipt.]

2133.—Needham, J. G. & **Claassen,** P. W. A monograph of the Plecoptera or stoneflies of America north of Mexico. Thomas Say Found., Ent. Soc. Amer., La Fayette, Indiana **2** 1925 pp. 1–397 50 pls. 29 figs.

2134.—Neiva, A. Revisão do genero *Triatoma* Lap. Rio de Janeiro, de Rodrigues & Co. 1914 80 pp. [Hem.]

2135.—Nessling, E. Nya fjärilformer. Not. ent., Helsingfors **5** 1925 pp. 97–98 3 figs. [Lep.]

2136.—Neustetter, H. Neue *Heliconius*-Formen. Zs. österr. Ent.-Ver. Vienna **10** 1925 pp. 11–14. [Lep.]

2137.—Neustetter, H. Drei neue *Heliconius*-Formen. Intern. ent. Zs., Guben **19** 1925, pp. 60–61. [Lep.]

2138.—Newstead, R. & **Potts,** W. H. Some characteristics of the first stage larva of *Dermatobia hominis* Gmelin. Ann. Trop. Med. & Parasit., Liverpool **19** 1925 pp. 247–257 1 pl. [Dipt.]

Nielsen E. T. *see* Hemmingsen & Nielsen.

2139.—Nielsen, P. Stankelben. Danmarks Fauna, Copenhagen **28** 1925 pp. 1–165 168 figs. [Dipt.]

2140.—Niijima, Y. & **Kinoshita,** E. Die Untersuchungen ueber japanische Melolonthiden. II. Res. Bull. Coll. Exptl. Forestry Hokkaido Imp. Univ., **2** 1923 pp. 1–253 7 pls. [Col.] [Not seen.] V. Z.R. 1932.

2141.—[Nikol'ski, V. V.] Никольский, В. В. The Asiatic locust, *Locusta migratoria,* L. [In Russian.] Труды Отдела Прикл. Энт. [Trans. Dept. App. Ent.], Leningrad **12** no. 2 1925 330 pp. 37 figs. [Orth.]

2142.—Nishikawa, H. On the inheritance of a mutant character in silkworms. Nôgaku Kwai Hô no. **250** pp. 573–588; no. **251** pp. 2–4 1923 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 pp. (97)–(98).) [Lep.]

2143.—Nitsche, J. Teratologische Erscheinungen (Missbildungen) bei Lepidopteren. Zs. österr. Ent.-Ver., Vienna **5** 1920 pp. 3–4, 13–14, 22, 29, 37, 49–50.

Noack, P. *see* Meyer & Noack.

2144.—Noetzel, O. Zur Kenntnis der Insektengifte. Jahresheft Ver. schles. Insektenk., Breslau **14** 1924 pp. 56–61.

2145.—Nolan, W. J. The brood-rearing cycle of the honeybee. U.S. Dept. Agric., Washington Dept. Bull. **1349** 1925 55 pp. 1 pl. 29 figs. [Hym.]

2146.—Nordström, F. Die Raupe von *Hillia iris* Zett. Ent. Tidskr., Stockholm **46** 1925 pp. 164–166. [Lep.]

2147.—Nordström, F. Om *Lithosia pallifrons* Z. i Sverige. Ent. Tidskr., Stockholm **46** 1925 pp. 213–216. [Lep.]

2148.—Noskiewicz, J. Contribution à la connaissance de la faune des Aculéates des Tatra Polonaises. [In Polish, summary in German.] Kosmos, Lemberg **45** 1920 pp. 145–162. [Hym.]

2149.—Noskiewicz, J. Deux nouvelles abeilles de la Pologne. [In Polish, summary in German.] Kosmos, Lemberg **49** 1924 pp. 118–127, 5 figs. [Hym.]

2150.—Noskiewicz, J. Neue für Polens Fauna und seltenere Hymenopteren. II. [In Polish with German summary.] Polsk. Pismo ent., Lemberg **3** (1924) 1925 pp. 138–151.

2151.—Noskiewicz, J. & Poluszyński, G. Neue Arten der Strepsipterengattung *Halictoxenos* Pierce. Polsk. Pismo ent., Lemberg **3** (1924) 1925 pp. 182–188 1 pl. [Col.]

Noskiewicz, J. *see* Kinel & Noskiewicz.

2152.—Notman, H. Two new Staphylinids from Cranberry Lake, New York. New York State Coll. Forestry, Syracuse Tech. Pubn. **17** 1924 pp. 270–272. [Col.]

2153.—Notman, H. A synoptic review of the beetles of the tribe Osoriini from the western hemisphere. Proc. U.S. Nat. Mus., Washington **67** 1925 art. 11 no. 2583 26 pp. [Col.]

2154.—Notman, H. A review of the beetle family Pseudomorphidae, and a suggestion for a rearrangement of the Adephaga, with descriptions of a new genus and new species. Proc. U.S. Nat. Mus., Washington **67** art. 15 no. 2586 1925 34 pp. [Col.]

Nötzl, P. *see* Seitner & Nötzl.

2155.—Novickij, S. *Lita paniculatella* (Rössler i. l.) n. sp. Description d'une nouvelle espèce de la Fam. Gelechiidae de Bohême centrale. [In Czech & French.] Sbornik ent. Odd. Národ. Mus. Praze **2** (19) 1924 pp. 137–146 19 figs. [Lep.]

2156.—[Novickij] Nowicki, S. Description d'une nouvelle espèce du genre *Copidosoma* Ratz. (Hym., Chalc., Encyrt.), de Pologne, parasitant une chenille nuisible (*Blastodacna putripennella*, Zell.). [Also in Polish.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 83–91 2 figs.

Nunberg, M. *see* Kozikowski & Nunberg.

2157.—Nuttall, G. H. F. Symbiosis in animals and plants. Rept. Brit. Assn., London **91** 1924 pp. 197–214.

2158.—Obenberger, J. Deuxième série de nouveaux genres de Buprestidae. Sborník ent. Odd. Národ. Mus. Praze **2** (12) 1924 pp. 7–44 52 figs. [Col.]

2159.—Obenberger, J. Revision monographique du genre *Taphrocerus* Solier (Col. Buprestidae). Sborník ent. Odd. Národ. Mus. Praze **2** (13) 1924 pp. 45–83.

2160.—Obenberger, J. De Buprestidarum speciebus novis (Diagnoses praeliminares). Sborník ent. Odd. Národ. Mus. Praze **2** (16) 1924 pp. 93–115. [Col.]

2161.—Obenberger, J. De novis Buprestidarum regionis palaearcticae speciebus, IVa & b. Časopis českoslov. Společ. ent. Prague **21** 1924 pp. 48–51, (1924) 1925 pp. 100–104. [Col.]

2162.—Obenberger, J. Ein neuer Prachtkäfer (Col., Buprestidae). Nova Guinea, Leyden **15** 1924 p. 88.

2163.—Obenberger, J. Recherches sur les types des *Trachys* de l'Afrique envoyées du Musée du Congo Belge (Col. Buprestidae). Ann. Soc. ent. France, Paris **94** 1925 pp. 355–364.

2164.—Obenberger, J. A propos du genre *Paratrachys* Saund. (Col. Buprestidae). Bull. Soc. ent. France, Paris **1925** pp. 27–29.

2165.—Ochmann, —. Ein kleiner Beitrag zur experimentellen Beeinflussung der Herbstgeneration von *Van. urticae* L. Intern. ent. Zs., Guben **19** 1925 pp. 257–260 4 figs. [Lep.]

2166.—Ochmann, — von. Einrichtung eines brauchbaren und billigen Thermostaten für Wärme- und Hitzeexperimente. Intern. ent. Zs., Guben **19** 1925 pp. 130–132 1 fig.

2167.—Ochoterena, I. Nota acerca del hongo encontrado en la langosta por los señores profesores Dampf y Hoffmann y remitido por la Direccion para su estudio. Monogr. Inst. Higiene, Mexico no. **3** 1925 pp. 99–101, 7 pls. [Orth.]

2168.—Ochs, G. Wissenschaftliche Ziele in der Entomologie und Spezialisierung. Ent. Zs., Frankfort on M. **38** 1924 pp. 5–6, 9–10, 18–19, 23–24, 27–28.

2169.—Ochs, G. Eine neue Varietät von *Pyrrhalta viburni* Payk. nebst biologischen Bemerkungen. Senckenbergiana, Frankfort on M. **7** 1925 pp. 79–81. [Col.]

2170.—Ochs, G. Ueber papuanische Gyriniden. Senckenbergiana, Frankfort on M. **7** 1925 pp. 172–177. [Col.]

2171.—Ochs, G. Ueber afrikanische Gyriniden. Ent. Bl., Berlin **21** 1925 pp. 172–186. [Col.]

2172.—Ochs, G. Descriptions of new Asiatic Gyrinidae. Rec. Ind. Mus., Calcutta **27** 1925 pp. 193–204. [Col.]

2173.—Oertel, R. Biologische Studien über *Carabus granulatus* L. Zool. Jahrb., Jena Abt. f. Syst. **48** 1924 pp. 299–366 35 figs. [Col.]

2174.—Ogloblin, A. A. Descriptions of new species and notes on some Anteoninae (Hym., Proctotrupidae) of Czechoslovakia. Sborník ent. Odd. Národ. Mus. Praze **2** (17) 1924 pp. 117–130 1 pl. 41 figs.

2175.—Ogloblin, A. A. Descriptions of three new species of *Pseudoisobrachium* Kieff. (Hym. Bethylidae) from Brazil. Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 77–81 3 figs.

2176.—Ogloblin, A. Le rôle du blastoderme extra-embryonnaire du *Dinocampus terminatus* Nees pendant l'état larvaire. Věstn. Král. české Společ. Nauk, Prague **1924** 1925 III pp. 1–27 13 figs. [Hym.]

2177.—Ogloblin, A. New and little known Strepsiptera from Poland. Polsk. Pismo ent., Lemberg **3** (1924) 1925 pp. 113–122 2 pls. [Col.]

2178.—Ohaus, F. XXIII. Beitrag zur Kenntnis der Ruteliden (Col. lamell.). Stettin. ent. Ztg. **85** (1924) 1925 pp. 173–183 7 figs.

2179.—Ohaus, F. Fauna sumatrensis. (Beitrag No. 4). Ent. Mitt., Berlin **14** 1925 pp. 176–178. [Col.]

2180.—Ohaus, F. XXI. Beitrag zur Kenntnis der Ruteliden (Col. lamell.). D. ent. Zs., Berlin **1925** pp. 75–83 6 figs.

2181.—Okajima, G. A Lycaenid hitherto unrecorded from Japan. Dobuts. Z. [Zool. Mag.], Tokyo **34** 1922 pp. 584–588 5 figs. [In Japanese with English summary.] (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (111).) [Lep.]

2182.—Okamoto, H. The Mecoptera of Korea. Bull. Agric. Expt. Sta. Govt.-Gen. Chosen, Suigen, Korea **2** 1925 pp. 17–24 2 pls.

2183.—Okamoto, H. & **Muramatsu,** S. Studies on the pear-stem girdler, *Janus piri* n. sp. Bull. Agric. Expt. Sta. Govt.-Gen. Chosen, Suigen, Korea **2** 1925 pp. 9–16 1 pl. [Hym.]

2184.—Okazaki, T. On *Holochlora japonica*, Brunner. IV–V. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 143–146, 302–306 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (105).) [Orth.]

2185.—Okazaki, T. On the habits of *Papilio xuthus* L. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 409–411 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (109).) [Lep.]

2186.—Okazaki, T. On the breeding of *Madasumma* (*Calyptotrypus*) *hibinonis* Mats. Dobuts. Z. [Zool. Mag.], Tokyo **34** 1922 pp. 523–531 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (110).) [Orth.]

2187.—Oke, C. New Australian Coleoptera (Part I). Vict. Nat., Melbourne **42** 1925 pp. 6–15.

2188.—Oke, C. Note on beetle larvae. Vict. Nat., Melbourne **42** 1925 pp. 15–17. [Col.]

2189.—Oldenberg, L. Zur Kenntnis der Asiliden-Gattung *Lasiopogon* (Dipt.). D. ent. Zs., Berlin **1924** pp. 441–448.

2190.—Oldenberg, L. Die bei *Eriopeltis lichtensteini* schmarotzende *Leucopis* (Dipt.). D. ent. Zs., Berlin **1924** pp. 448–450.

2191.—[Olenev, N. O.] Оленев, Н. О. Notes on the morphology and biology of *Apanteles glomeratus* Reinh. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 377–378. [Hym.]

Oliveira Filho, M. L. de *see* Busck & Oliveira Filho.

2192.—d'Olsoufieff, G. Description d'un nouveau Dytiscide du Yunnan (Chine méridionale). Bull. Soc. ent. France, Paris **1925** pp. 90–91. [Col.]

2193.—d'Olsoufieff, G. Notes sur les Cétoines malgaches. Bull. Soc. ent. France, Paris **1925** pp. 120–122, 132–137. [Col.]

2194.—d'Orchymont, A. Hydrophilidae d'Afrique orientale. Ann. Mus. civ. Stor. nat., Genoa **51** 1924 pp. 257–268. [Col.]

2195.—d'Orchymont, A. Les *Hydraena* de Belgique. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 45–53. [Col.]

2196.—d'Orchymont, A. Hydrophilides des Iles Philippines. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 200–202. [Col.]

2197.—Orlov, J. Ueber das sympatische Nervensystem der Insecten. [In Russian with German summary.] Bull. Inst. Recherches biol. Univ. Perm **3** 1924 pp. 117–127 1 pl. [Col.]

2198.—Orlov, J. Ueber den histologischen Bau des Ganglien des Mundmagennerven-systems der Insekten. Zs. mikr. anat. Forsch., Leipzig Abt. A **2** 1925 pp. 39–110 3 pls. 15 figs.

Orr, P. R. *see* Bodine & Orr.

2199.—Osborn, H. A new *Acinopterus* from southern California. Pan-Pacific Ent., S. Francisco **2** 1925 p. 22. [Hem.]

2200.—Osborn, H. Neotropical Homoptera of the Carnegie Museum. Parts 3 & 4. Bythoscopinae and Jassinae. Ann. Carnegie Mus., Pittsburg **15** 1924 pp. 383–454 7 pls. 6 figs.

2201.—Osthelder, L. Ueber einige bemerkenswerte Schmetterlinge in den südbayerischen Torfmooren. Mitt. münchn. ent. Ges., Munich **10** 1920 pp. 11–14. [Lep.]

2202.—Osthelder, L. Ein kleiner Beitrag zur Spannerfauna des bayerischen Donautales. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 25–31. [Lep.]

2203.—Osthelder, L. Die Schmetterlinge Südbayerns und der angrenzenden nördlichen Kalkalpen. I. Teil: Die Grosschmetterlinge. Mitt. münchn. ent. Ges., Munich **15** 1925 suppmt. 166 pp. 7 pls. [Lep.]

2204.—Oudemans, J. T. De poptoestand bij de Bladwespen. Ent. Ber., The Hague **6** 1925 pp. 337–339. [Hym.]

2205.—Oudemans, J. T. Koptransplantatie bij Volkomen Insekten. Ent. Ber., The Hague **7** 1925 pp. 17–19.

2206.—Pabst, —. Entwicklungsgeschichte der Canthariden (Meloiden), insbesondere der Gattung *Meloë*. Ent. Jahrb., Leipzig **1** 1892 pp. 154–163, figs. [Col.]

2207.—Paillot, A. La Lyda du pêcher. Etude biologique méthodes de destruction. Ann. Epiphyties, Paris **10** 1924 pp. 147–253 9 pls. [Hym.]

2208.—Paillot, —. Sur les altérations cytoplasmiques et nucléaires au cours de l'évolution de la grasserie du ver à soie. C.R. Acad. Sci., Paris **180** 1925 pp. 1139–1142.

2209.—Paillot, —. Sur les altérations cytologiques au cours de l'évolution de la maladie du noyau des chenilles de *Pieris brassicae* L. C.R. Acad. Sci., Paris **180** 1925 pp. 1797–1799 5 figs. [Lep.]

Paillot, A. *see* Policard & Paillot.

2210.—Painter, R. H. A review of the genus *Lepidophora* (Diptera, Bombyliidae). Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 119–127 1 fig.

2211.—Palladin, A. Sur la formation de l'acide urique chez les blattes. [In Russian.] Trav. Soc. Nat., Petrograd **45** 1 1914 pp. 231–243. [French resumé p. 260.] [Orth.]

Palmer, M. A. *see* Gillette & Palmer.

2212.—Paoli, G. Storia di una galla del leccio. Natura, Milan **15** 1924 pp. 12–21 5 figs. [Dipt.]

2213.—Paramonov, S. J. Zwei neue *Exoprosopa*-Arten (Bombyliidae, Diptera) aus dem paläarktischen Gebiet. Konowia, Vienna **4** 1925 pp. 43–47.

2214.—Paramonov, S. J. Zur Kenntnis der Gattung *Heterotropus* (Diptera, Bombyliidae). Konowia, Vienna **4** 1925 pp. 110–114.

2215.—Paramonov, S. J. Zur Kenntnis der Gattung *Lomatia* (Bombyliidae, Diptera). N. Beitr. syst. Insektenk., Berlin **3** 1925 pp. 78–84, 95–100, 112–116.

2216.—Paramonov, S. J. Drei neue Bombyliiden-Arten aus dem paläarktischen Gebiet. Zool. Anz., Leipzig, **64** 1925 pp. 91–95. [Dipt.]

2217.—Paramonov, S. J. Zwei neue *Villa*-Arten aus Turkestan (nebst einigen Bemerkungen über andere turkestanische Bombyliiden). Zool. Anz., Leipzig **64** 1925 pp. 144–148. [Dipt.]

2218.—Paramonov, S. J. Zur Kenntnis der Insektenfauna (hauptsächlich Diptera) von Bessarabien und der Ukraine. Soc. ent., Stuttgart **40** 1925 pp. 21–23.

2219.—Paramonov, S. J. Zwei neue *Bombylius*-Arten (Bombyliidae, Diptera) aus dem paläarktischen Gebiet. Soc. ent., Stuttgart **40** 1925 pp. 33–34.

2220.—Parent, O. Deux Dolichopodides nouveaux. Publ. Junta Ci. nat. Barcelona **4** no. 6 1924 pp. 1–15. [Dipt.]

2221.—Parent, O. Essai sur le genre *Thrypticus* Gerst. (Diptéres Dolichopodides). Ann. Soc. sci. Bruxelles **44** 1924 Mém. pp. 46–69.

2222.—Parent, O. Etude sur les espèces paléarctiques du genre *Aphrosylus* Walk. (Diptères Dolichopodides). Ann. Soc. sci. Bruxelles **44** 1925 Mém. pp. 93–127.

2223.—Parent, O. Etude sur les espèces paléarctiques du genre *Diaphorus* Macq. (Diptères Dolichopodides). Ann. Soc. sci. Bruxelles **44** 1925 Mém. pp. 222–294.

2224.—Parent, O. Notes diptérologiques. Ann. Soc. sci. Bruxelles **44** 1925 C.R. pp. 547–555. [Dipt.]

2225.—Parent, O. Nouvelle étude sur les espèces du genre *Lamptochromus* Mik. Encyc. ent. Sér. B. II Dipt. **1** Paris 1925 pp. 135–142. [Dipt.]

2226.—Parent, O. Etude sur les Dolichopodides de la collection Meigen, conservée au Muséum national d'Histoire naturelle de Paris. Encyc. ent. Sér. B. II. Dipt. **2** Paris 1925 pp. 41–58. [Dipt.]

2227.—Parent, O. Trois Dolichopodides nouveaux de l'Afrique mineure (Dipt.). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 186–197.

2228.—Parent, O. Contribution à la faune diptérologique d'Egypte. Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 153–185.

2229.—Parfent'ev, I. A. La formation des guêpiers du genre *Vespa* et les déviations dans leur construction. Biol. Mitt. Timiriazeff, Moscow 1923 Zool. Lief. 1 pp. 57–101 4 pls. [Hym.]

2230.—Parfent'ev, I. A. Aphagia in insects. [In Russian.] Rev. zool. russe, Moscow **4** 3–4 1924 pp. 234–261 17 figs.

2231.—Parfent'ev, I. A. Expériences sur l'influence de l'inanition incomplète sur les chenilles de l'*Orgyia antiqua* L. [In Russian.] Défense des Plantes, Leningrad **1** 1925 pp. 201–206. [Lep.]

2232.—Parker, G. H. The weight of vegetation transported by tropical fungus ants. Psyche, Boston **32** 1925 pp. 227–228. [Hym.]

2233.—Parker, H. L. Recherches sur les formes postembryonnaires des Chalcidiens. Ann. Soc. ent. France, Paris **93** 1924 pp. 261–379 38 pls. [Hym.]

2234.—Parker, H. L. & **Thompson,** W. R. Notes on the larvae of the Chalcidoidea. Ann. Ent. Soc Amer., Columbus **18** 1925 pp. 384–395 3 pls. [Hym.]

2235.—Parker, J. B. Notes on the nesting habits of *Bembex comata* Parker. Proc. Ent. Soc. Washington **27** 1925 pp. 189–195. [Hym.]

2236.—Parshley, H. M. A report on some Hemiptera from British Columbia. Proc. Ent. Soc. Br. Columbia, Victoria **18** 1921 pp. 13–24 3 figs.; also Contr. Dept. Zool. Smith Coll., Northampton Mass. no. 79 pp. 1–12.

2237.—Parshley, H. M. A bibliography of the North American Hemiptera-Heteroptera. Smith Coll., Northampton, Mass., 1925 ix + 252 pp.

2238.—Passerini, N. Influenza della qualità degli alimenti sull' accrescimento delle larve e sul metabolismo del "*Tenebrio molitor.*" Atti Accad. Lincei, Rome Rendiconti Cl. Sci. fis. mat. nat. (6) **1** 1925 pp. 58–59. [Col.]

2239.—**Patijaud,** E. Métamorphose des chenilles des Rhopalocères de France. Rev. Hist. nat. appl., Paris (1) **6** 1925 pp. 101–109, 149–158. [Lep.]

2240.—**Patijaud,** E. Accouplement, ponte et procréation d'une femelle décapitée de *Bombyx quercus* L. Rev. Hist. nat. appl., Paris (1) **6** 1925 pp. 350–352. [Lep.]

2241.—**Patijaud,** E. Au sujet d'une expérience de J. H. Fabre sur la chenille du *Saturnia pyri* S.V. (Grand Paon). Rev. Hist. nat. appl., Paris (1) **6** 1925 pp. 366–373. [Lep.]

2242.—**Patterson,** J. T. & **Hamlett,** G. W. D. Haploid males in *Paracopidosomopsis.* Science, Garrison, N.Y. **61** 1925 p. 89. [Hym.]

2243.—**Patton,** W. S. Diptera of medical and veterinary importance, I, II. Philipp. J. Sci., Manila **27** 1925 pp. 177–200, 397–411.

2244.—**Payne,** N. M. Can insects survive freezing? Canad. Ent., Orillia **57** 1925 pp. 157–158.

2245.—**Peacock,** A. D. Studies in the parthenogenesis and sexuality of sawflies (Tenthredinidae). II. Brit. J. Exptl. Biol., Edinburgh **3** 1925 pp. 61–84 2 pls. [Hym.]

2246.—**Peacock,** A. D. Haploidy in the male sawfly (Tenthredinidae) and some considerations arising therefrom. Nature, London **116** 1925 pp. 537–539 5 figs.

2247.—**Peacock,** A. D. Animal parthenogenesis in relation to chromosomes and species. Amer. Nat., New York **59** 1925 pp. 218–224.

2248.—**Pearl,** R. On the inheritance of duration of life. Czechosl. Eugenics Soc., Mem. Pubn. J. G. Mendel, Prague 1925 pp. 175–192.

2249.—**Pearman,** J. V. Additions to the British Psocid fauna. Ent. Mo. Mag., London **61** 1925 pp. 124–129, 2 figs. [Psocop.]

2250.—**Pearman,** J. V. *Caecilius corticis* Pearman: synonymy and notes. Ent. Mo. Mag., London **61** 1925 pp. 203–206 4 figs. [Psocop.]

2251.—**Pehani,** H. Die Geschlechtszellen der Phasmiden. Zugleich ein Beitrag zur Fortpflanzungsbiologie der Phasmiden. Zs. wiss. Zool., Leipzig **125** 1925 pp. 167–238 2 pls. 7 figs. [Orth.]

2252.—**Pellew,** C. A note on the inheritance of egg-colour in the silkworm. J. Genetics, Cambridge **15** 1925 pp. 233–235. [Lep.]

2253.—**Péneau,** J. Présence en Loire-Inférieure de *Agriotypus armatus* Walker (Ins. Hymén.) parasite des Phryganes. Bull. Soc. Sci. nat. Nantes (4) **2** 1922 pp. 81–83 3 figs.

2254.—**Péneau,** J. Contribution à la faune des Hémiptères des Côtes Vendéennes. Bull. Soc. Sci. nat. Nantes (4) **4** 1924 pp. 26–30.

2255.—**Péneau,** J. Notules Hémipterologiques (VI). Quelques Hétéroptères myrmécoides de l'ouest. Bull. Soc. Sci. nat. Nantes (4) **4** 1924 pp. 64–72 1 pl. 1 fig.

2256.—**Perkins,** M. On *Acanthophthirius etheldredae* a new genus and species of Anoplura from the Pipistrelle bat. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 175–178, 1 pl.

2257.—**Perkins,** R. C. L. The Aculeate Hymenoptera of Gloucestershire and Somersetshire. Ann. Rep. Proc. Bristol Nat. Soc. **6** 1924 pp. 133–160.

2258.—**Perkins,** R. C. L. Sawflies, with a list of the species that have occurred in Devonshire. Trans. Proc. Torquay Nat. Hist. Soc. **4** 1924 pp. 166–174. [Hym.]

2259.—**Perkins,** R. C. L. The British species of *Megachile* with descriptions of some new varieties from Ireland, and of a species new to Britain in F. Smith's Collection. Ent. Mo. Mag., London **61** 1925 pp. 95–101.

2260.—**Perret,** C. E. Monographie du Lac des Taillières. Rev. Hydrob. suisse, Aarau **3** 1925 pp. 1–85.

2261.—**Peschet,** R. Faune entomologique de l'Indochine. Gyrinidae. Faune ent. Indochine française, Saigon fasc. **6** 1923 pp. 121–136. [Col.]

2262.—**Peschet,** R. Description d'un *Orectochilus* nouveau du Tonkin (Col. Gyrinidae). Bull. Soc. ent. France, Paris **1925** pp. 253–254.

2263.—**Peschet,** R. Description d'un *Yola* nouveau de l'Afrique du Nord (Col. Dytiscidae). Bull. Soc. ent. France, Paris **1925** pp. 299–301.

2264.—**Peschet,** R. Fauna Buruana. Coleoptera, Fam. Gyrinidae. Treubia, Buitenzorg **7** 1925 pp. 5–7.

2265.—Petersen, W. Lepidopteren-Fauna von Estland mit Berücksichtigung der benachbarten Gebieten. Beiträge zur Kunde Est-, Liv- und Kurlands, Reval **1902** reprint 217 pp.

2266.—Petersen, W. Lepidopteren-Fauna von Estland (Eesti) I & II. Reval 1924 588 pp. [Second enlarged edition of the work published in 1902.]

2267.—Petkow, P. Unbeständigkeit des Flügelgeäders von *Lymantria dispar* L. [In Bulgarian.] Mitt. bulgar. ent. Ges., Sofia **2** 1925 pp. 67–73 6 figs. [Lep.]

2268.—Petrocchi, J. Anofelino trasmisor de malaria encontrado en la Capital Federal. Rev. Inst. bact., Buenos Aires **2** 1919 pp. 295–302 2 figs. [Dipt.]

2269.—Petrocchi, J. Descripción de un nuevo *Anopheles.* Rev. Inst. bact., Buenos Aires **4** 1925 pp. 69–75 5 figs. [Dipt.]

2270.—Petrov, V. Contributions à la biologie du *Galerucella tenella* L. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 321–330 3 figs. [Col.]

2271.—Petry, A. Ueber zwei Microlepidopteren aus Thüringen. D. ent. Zs. Iris, Dresden **39** 1925 pp. 138–141.

2272.—Pettey, F. W. South African Psyllids. Union S. Africa Dept. Agric., Pretoria Ent. Mem. **2** 1924 pp. 21–30 3 pls. [Hom.]

2273.—Peyerimhoff, P. de. Nouveaux Coléoptères du Nord-Africain. 50e note. Ann. Soc. ent. France, Paris **94** 1925 pp. 1–29 7 figs.

2274.—Peyerimhoff, P. de. Nouveaux Coléoptères du Nord-Africain. 51e–54e notes: Faune du Grand Atlas marocain. Bull. Soc. ent. France, Paris **1925** pp. 55–59 2 figs., 103–107, 267–269 2 figs., 281–284.

2275.—Peyerimhoff, P. de. Les Coléoptères des Euphorbes dans le Maroc méridional. Bull. Soc. Sci. nat. Maroc, Rabat **5** 1925 pp. 8–14 1 fig.

2276.—Peyerimhoff, P. de. Psélaphides égyptiens (Coléopt.). Bull. Soc. R. ent. Egypte, Cairo **1925** pp. 57–61 2 figs.

2277.—Peyron, J. Äggen av *Oporinia autumnata* Bkh. och *dilutata* Bkh. Ent. Tidskr., Stockholm **46** 1925 pp. 143–145 3 figs. [Lep.]

2278.—Pfankuch, K. Aus der Ichneumonologie (Hym.). Deutung Gravenhorstscher *Hemiteles*-Typen. D. ent. Zs., Berlin **1925** pp. 257–278. [Hym.]

2279.—Pfankuch, K. Ein Beitrag zur Ichneumoniden-Fauna Nordschleswigs. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 9–13, 57–61, 150–156, 175–182. [Hym.]

Pfeiffer, E. *see* Daniel & Pfeiffer.

2280.—Pfeiffer, L. Einiges über die Uraniiden und Sematuriden (Lep.) der alten und der neuen Welt. Ent. Zs., Frankfort on M. **39** 1925 pp. 118–119, 121–122, 127–128, 130–131, 134–135, fig.

2281.—Pfetten, J. von. Beiträge zur Kenntnis der Fauna der Waldstreu. Fichtenstreu - Untersuchungen. Zs. angew. Ent., Berlin **11** 1925 pp. 35–54.

2282.—Pfleger, K. Berichtigung zu den von A. G. Fresca neu beschriebenen Mallophagenarten. Časopis českoslov. Společ. ent., Prague **21** 1924 p. 46.

2283.—Philpott, A. The wing-coupling apparatus in *Sabatinca* and other primitive genera of Lepidoptera. Rep. Austral. Ass. Adv. Sci., Sydney **16** 1924 pp. 414–419 9 figs.

2284.—Philpott, A. On a remarkable modification of the eighth abdominal segment in *Lindera tessellatella* with a description of the male and female genitalia. Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 32–34 9 figs. [Lep.]

2285.—Philpott, A. On an abdominal scent-organ (?) in *Sabatinca* and other primitive genera of Lepidoptera. Trans. Ent. Soc. London **1924** 1925 pp. 457–461 6 figs.

2286.—Philpott, A. On the wing-coupling apparatus of the Hepialidae Trans. Ent. Soc. London **1925** pp. 331–340 5 figs. [Lep.]

2287.—Philpott, A., **Castle,** A. & **Andersen,** J. C. Australian Lepidoptera in New Zealand. N.Z. J. Sci. & Tech., Wellington **7** 1925 pp. 364–367.

2288.—**Pic,** M. Étude des Malacodermes de l'Indochine recueillis par M.R. Vitalis de Salvaza. Faune ent. Indochine française, Saigon fasc. **6** 1923 pp. 7–63. [Col.]

2289.—**Pic,** M. Deux nouveaux Coléoptères exotiques. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1923 pp. 41–42.

2290.—**Pic,** M. Collezioni zoologiche fatte nell'Uganda dal Dott. E. Bayon. XVIII. Malacodermata (Col.). Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1923 pp. 44–50.

2291.—**Pic,** M. Lycides africains nouveaux. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1924 pp. 161–164. [Col.]

2292.—**Pic,** M. Notes sur les Coléoptères Scaphidiides. Ann. Soc. ent. Belg., Brussels **64** 1924 pp. 193–196.

2293.—**Pic,** M. Nouvelles espèces de Coléoptères exotiques du Museum National de Prague. Sborník ent. Odd. Národ. Mus. Praze **2** (14) 1924 pp. 85–90.

2294.—**Pic,** M. Catalogue analytique et raisonné des Coléoptères de Saone-et-Loire. Bull. Soc. Hist. nat. Autun **28** 1924 pp. 51–114.

2295.—**Pic,** M. Les *Micropelecotoides* Pic. Echange, Moulins **39** 1924 hors-texte pp. 3–4.

2296.—**Pic,** M. Contribution à l'étude des Helodidae (Col.). Echange, Moulins **39** 1924 hors-texte pp. 9–12.

2297.—**Pic,** M. Malacodermes exotiques. Echange, Moulins **39** 1924 hors-texte pp. 1–4; [**40**] **41** 1925 hors-texte pp. 5–8, 9–12, 13–20.

2298.—**Pic,** M. Notes diverses, descriptions et diagnoses. Echange, Moulins **39** 1924 pp. 21–23, 25–27, 29–30; [**40**] **41** 1925 pp. 1–3, 5–6, 9–11, 13–14. [Col.]

2299.—**Pic,** M. Coléoptères exotiques en partie nouveaux. Echange, Moulins **39** 1924 pp. 24, 27–28, 30–32; [**40**] **41** 1925 pp. 3–4, 8, 11–12, 15–16. [Col.]

2300.—**Pic,** M. Hyménoptères nouveaux. Echange, Moulins [**40**] **41** 1925 pp. 12, 14–15.

2301.—**Pic,** M. Nouveaux Malacodermes asiatiques. Bull. Mus. Hist. nat. Paris **1924** pp. 475–482; **1925** pp. 72–73. [Col.]

2302.—**Pic,** M. Malacodermes et Helodides de Bornéo. Bull. Mus. Hist. nat. Paris **1925** pp. 180–183. [Col.]

2303.—**Pic,** M. Diagnoses préliminaires des Lycides africains. Bull. Mus. Hist. nat. Paris **1925** pp. 184–187. [Col.]

2304.—**Pic,** M. Sur quelques Lycides de l'île Palawan (Col.). Bull. Soc. ent. France, Paris **1925** pp. 37–39.

2305.—**Pic,** M. Note rectificative concernant un Hispide (Col.). Bull. Soc. ent. France, Paris **1925** pp. 59–61.

2306.—**Pic,** M. Noms nouveaux et correction concernant divers Lycides (Col.). Bull. Soc. ent. France, Paris **1925** p. 96.

2307.—**Pic,** M. Nouveaux Longicornes asiatiques. Bull. Soc. ent. France, Paris **1925** pp. 137–139, 188–189. [Col.]

2308.—**Pic,** M. Coléoptères asiatiques nouveaux. Bull. Soc. ent. France, Paris **1925** pp. 301–303.

2309.—**Pic,** M. Note rectificative et étude des variétés du *Plagionotus arcuatus* L. Misc. ent., Castanet-Tolosan **28** 1925 pp. 58–59. [Col.]

2310.—**Pic,** M. Note sur *Nebria ferruginipes* Pic. Misc. ent., Castanet-Tolosan **28** 1925 pp. 59–60. [Col.]

2311.—**Pic,** M. Nouveautés diverses. Mélanges exot. ent., Moulins 1925 **43** pp. 1–32; **44** pp. 1–32. [Col.]

2312.—**Pic,** M. Zoological Results of the Swedish Expedition to Central Africa 1921. Insecta 8. Anobiides et Malacodermes. Ark. Zool., Stockholm **17A** no. 5 1925 pp. 1–9. [Col.]

2313.—**Pic,** M. Rhipiceridae. Coleopterorum Catalogus. Berlin, Junk **81** 1925 pp. 1–13.

2314.—**Pic,** M. Missione zoologica del Dr. E. Festa in Cirenaica. XII. Coléoptères nouveaux de Cyrénaïque. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 20 3 pp.

2315.—**Pic,** M. Coléoptères d'Egypte et du Sinai. Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 392–397.

2316.—**Pic,** M. A propos du *Sitarobrachys alfierii* Pic (Coleop.). Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 398–400.

2317.—**Pic,** M. Description d'un nouveau Longicorne de la Haute-Egypte (Coleop.). Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 404–405 1 fig.

2318.—**Picard,** F. Note sur la biologie des *Sphex mavillosus* F. et *flavipennis* F. (Hym. Sphegidae). Bull. Soc. ent. France, Paris **1925** pp. 24–26.

2319.—**Pictet,** A. Influence de la pression atmosphérique sur le développement des Lépidoptères. Arch. Sci. phys., Geneva (4) **44** 1917 pp. 413–454 1 pl. 4 figs.

2320.—**Pictet,** A. Les migrations de la piéride du chou en 1917 (*Pieris brassicae*) et leurs conséquences. Arch. Sci. phys., Geneva (4) **45** 1918 pp. 356–366.

2321.—**Pictet,** A. Recherches démontrant la non-hérédité des caractères acquis. C.R. Soc. Phys. Hist. nat. Genève **37** 1920 pp. 24–28. [Lep.]

2322.—**Pictet,** A. A propos des observations de M. F. Picard sur le filage de la soie par les chenilles. C.R. Soc. Phys. Hist. nat. Genève **40** 1923 pp. 55–58. [Lep.]

2323.—**Pictet,** A. Recherches sur l'hibernation de *Pieris brassicae* à l'état de chenille. Bull. Soc. lép. Genève **5** 1922 pp. 47–57. [Lep.]

2324.—**Pictet,** A. Quelques notes sur la biologie de *Nemeophila plantaginis.* Bull. Soc. lép. Genève **5** 1924 pp. 65–67. [Lep.].

2325.—**Pictet,** A. Sur les races géographiques de *Lasiocampa quercus.* Bull. Soc. lép. Genève **5** 1924 pp. 82–84. [Lep.]

2326.—**Pictet,** A. Contribution à l'étude de la parthénogénèse chez les Lépidoptères. Bull. Soc. lép. Genève **5** 1924 pp. 107–118. [Lep.]

2327.—**Pictet,** A. A propos d'un nom proposé pour le *Porthesia chrysorrhoea* de Linné. Bull. Soc. lép. Genève **5** 1924 pp. 119–121. [Lep.]

2328.—**Pierantoni,** U. Sul significato fisiologico della simbiosi ereditaria. Boll. Soc. Nat. Napoli **33** (1920) 1922 pp. 55–66.

2329.—**Pierantoni,** U. Flebotomi italiani. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 21 8 pp. 2 figs. [Dipt.]

Pierce, F. N. *see* Goodman & Pierce.

2330.—**Pierce,** W. D. The history of the Rhynchophorid genera *Rhynchophorus, Calendra, Sphenophorus* and *Sitophilus* (Coleoptera). Proc. Ent. Soc. Washington **27** 1925 pp. 113–114.

2331.—**Pierre,** C. Variations de coloris chez *Pachyrhina crocata* L. (Diptère Tipulidae). C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 662–664 4 figs.

2332.—**Pierre,** C. Faune de France. 8. Diptères : Tipulidae. Paris 1924 159 pp. 600 figs.

2333.—**Pierre,** C. Nematocera Polyneura recueillis au Maroc par M. Charles Alluaud (3e liste, 1922–1923) (Insectes Diptères). Bull. Soc. Sci. nat. Maroc, Rabat **4** 1924 pp. 198–201 4 figs.

2334.—**Pierre,** C. Tipulidae nouveaux. Encyc. ent. Sér. B. II. Dipt. **2** Paris 1925 pp. 7–12 22 figs. [Dipt.]

2335.—**Pieszczek,** A. Die Zucht der *Col. myrmidone* Esp. und ab. *alba* aus dem Ei sowie deren Variabilität. Zs. österr. Ent.-Ver., Vienna **2** 1917 pp. 24–26, 33–36, 43–46, 53–56, 61–63, 69–79 4 figs. [Lep.]

2336.—**Pigorini,** L. Sulla presenza di una catalasi nelle uova di *Bombyx mori* (con accenno a fenomeni anormali di sviluppo embrionale). Atti R. Ist. ven., Venice **83** 1924 pp. 33–43. [Lep.]

2337.—**Pinto,** C. Ensaio monographico dos Reduvideos hematophagos ou "Barbeiros." vii + 118 pp. 66 figs. Rio de Janeiro, 1925. [Hem.]

2338.—**Pinto da Fonseca,** J. De um novo parasita do caféeiro *Metacorthylus affinis* n. sp. Commissão de Estudo e Debellação da Praga Caféeira, S. Paulo Pub. no. **12** 1925 8 pp. 1 plate. [Col.]

2339.—**Pionneau,** P. Nouveautés entomologiques pour la faune girondine. Proc.-verb. Soc. linn. Bordeaux **76** 1924 pp. 88–89.

2340.—**Pionneau, P.** Les Rhopalocères de la Loire-Inférieure. Bull. Soc. Sci. nat. Nantes (4) **4** 1924 pp. 55–63. [Lep.]

2341.—**Pionneau, P.** Descriptions de quatre nouvelles aberrations de Rhopalocères français. Echange, Moulins **37** 1924 p. 23. [Lep.]

2342.—**Pionneau, P.** Sur quelques Rhopalocères paléarctiques. Echange, Moulins [**40**] **41** 1925 pp. 7–8. [Lep.]

2343.—**Pitzer, C.** Die Präparation der Odonaten und Orthopteren. Intern. ent. Zs., Guben **19** 1925 pp. 39–40.

2344.—**Plath, O. E.** The rôle of bumble-bees in the pollination of certain cultivated plants. Amer. Nat., New York **59** 1925 pp. 441–451 3 figs. [Hym.]

Plath, O. E. *see* Bequaert & Plath.

2345.—**Plavilstshikov, N. N.** Eine neue *Xylotrechus*-Art aus Ost-Sibirien (Col. Cerambyc.). Ent. Mitt., Berlin **14** 1925 pp. 360–361.

2346.—**Plavilstshikov, N. N.** Révision des espèces eurasiques du genre *Judolia* Muls. (Col. Ceramb.). Eos, Madrid **1** 1925 pp. 291–320.

2347.—**Plavilstshikov, N. N.** Contribution à l'étude des espèces eurasiques du genre *Gaurotes* J. Lec. (Coleoptera, Cerambycidae). Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 323–332.

2348.—**Pleske, T.** Etudes sur les Stratiomyiinae de la région paléarctique. Encyc. ent. Sér. B. II. Dipt. **1** 1925 pp. 105–119, 165–188; Dipt. **2** 1925 pp. 23–40. [Dipt.]

2349.—**Pleske, T.** Description d'un Diptère appartenant à une nouvelle sous-famille. Bull. Soc. ent. France, Paris **1925** pp. 166–167.

2350.—**Poisson, R.** *Gerris* (Hémiptères-Hétéroptères) du Calvados. Polymorphisme chez *Gerris lacustris* L. et perte de la faculté du vol chez cette espèce. C.R. Assoc. franç. Avanc. Sci., Paris **45** (1921) 1922 pp. 674–678. [Hem.]

2351.—**Poisson, R.** Contribution à l'étude des Hémiptères aquatiques. Bull. biol. France Belgique, Paris **58** 1924 pp. 49–305 pls. 35 figs.

2352.—**Poisson, R.** Sur un processus particulier d'élimination des produits uriques chez certains Hémiptères. Bull. Soc. zool., Paris **50** 1925 pp. 116–123 2 figs.

2353.—**Poisson, R.** Quelques observations sur l'*Anisops producta* Fieb. (Hémiptère Notonectidae). C.R. Acad. Sci., Paris **181** 1925 pp. 684–685.

2354.—**Poisson, R.** Sur la persistance des muscles vibrateurs du vol chez un Hémiptère hétéroptère brachyptère: *Chorosoma schillingii* Schum. C.R. Soc. Biol., Paris **92** 1925 pp. 4–7 1 fig.

2355.—**Poisson, R.** Notes fauniques. I & II. Hémiptères Héteroptères normands. Bull. Soc. ent. France, Paris **1925** pp. 39–43 1 fig., 196–198.

2356.—**Poisson, R.** Sur la synonymie de *Notonecta viridis* Delc. et de *Notonecta halophila* J. Edw. Bull. Soc. ent. France, Paris **1925** pp. 256–257. [Hem.]

2357.—**Poisson, R.** Quelques Hémiptères aquatiques des environs de Banyuls (Pyrénées-Orientales). Bull. Soc. ent. France, Paris **1925** pp. 270–273.

2358.—**Policard, A. & Paillot, A.** Étude de la sécrétion de la soie à l'aide des rayons ultraviolets filtrés (lumière de Wood). C.R. Acad. Sci., Paris **181** 1925 pp. 378–380.

Poluszynski, G. *see* Noskiewicz & Poluszynski.

2359.—**Pomeroy, A. W. J.** Observations on some of the insects, etc., on ant-trees; and on Lycaenid life-histories, at Ibadan, S. Nigeria. Trans. Ent. Soc. London **1924** pp. lxxiii-lxxix.

2360.—**Pongracz, S.** A mimikry. [In Hungarian.] Allatt. Közlem., Budapest **22** 1925 pp. 9–18 13 figs.

2361.—**Popov, V.** Forme nouvelle de *Bombus* de l'Ural (Hymenoptera, Bombidae). [In Russian with French summary.] Rev. russe Ent., Leningrad **18** 1924 pp. 255–256.

2362.—**Popov, P.** On the discovery of *Phlebotomus caucasicus* Marzinovsky 1917 in Turkestan, Afghanistan and Bukhara and the difference between it and *Phlebotomus sergenti* Parrot

1917. [In Russian, English summary pp. 117–118.] Rev. Microbiol. & Epidemiol., Saratov **4** 2 1925 pp. 87–96 1 pl. [Dipt.]

2363.—[**Popova,** A. N.] Попова, А. Н. Ueber die Ernährung der Libellenlarven. [In Russian with German summary.] Arb. biol. Wolga-Sta., Saratov **8** 1925 pp. 107–115 1 fig. [Odon.]

2364.—**Porter,** C. E. Los estudios sobre Tisanopteros chilenos. (Apuntes históricos y bibliográficos.) Rev. chil. Hist. nat., Santiago **28** 1924 pp. 36–42. [Thysanoptera.]

2365.—**Porter,** C. E. Sobre un coléoptero chileno poco conocido. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 112–114 1 fig.

2366.—**Porter,** C. E. Breve nota sobre los *Hesperophanes* chilenos. Rev. chil. Hist. nat., Santiago **29** 1925 pp. 217–220. [Col.]

2367.—**Portevin,** G. Révision des Necrophorini du Globe. Bull. Mus. Hist. nat. Paris **1924** pp. 83–87, 145–150, 185–192, 287–293, 374–377 ; **1925** pp. 165–170. [Col.]

Potts, W. H. *see* Newstead & Potts.

2368.—**Poulton,** E. B. The detailed resemblance of an Indian Lepidopterous larva to the excrement of a bird. A similar result obtained in an entirely different way by a Malayan spider. Trans. Ent. Soc. London **1924** 1925 pp. xc–xciv.

2369.—**Poulton,** E. B. Some transformations of the pale yellow strongly fluorescent pigment of Papilios ; further evidence of its identity in the males and primitive forms of mimetic females of *P. dardanus* Brown. Trans. Ent. Soc. London **1924** 1925 pp. xcix-ciii. [Lep.]

2370.—**Poulton,** E. B. The likeness to the male *Acraea althoffi althoffi* Dew. closer in the female than the male of the Uganda f. *mimetica dolabella* Hall of *Pseudacraea dolomena albostriata* Lathy. Trans. Ent. Soc. London **1924** 1925 pp. cxl–cxlv. [Lep.]

2371.—**Poulton,** E. B. The forms of *Papilio dardanus* Brown and its models from Marsabit, S.E. of Lake Rudolph. Trans. Ent. Soc. London **1925** pp. viii–ix. [Lep.]

2372.—**Poulton,** E. B. Mimetic association between Reduviid bugs and Carabid beetles in Kenya Colony and Uganda. Trans. Ent. Soc. London **1925** pp. ix–xii 1 pl.

2373.—**Poulton,** E. B. Some of the chief Asilid mimics with their Xylocopid models from East Africa. Trans. Ent. Soc. London **1925** p. xiii 2 pls. [Dipt., Hym.]

2374.—**Poulton,** E. B. The Euploeas of Fiji : a correction. Trans. Ent. Soc. London **1925** pp. xvii-xviii. [Lep.]

2375.—**Predtetshenskij,** S. Contributions à l'étude du *Locusta migratoria* L., dans la Russie centrale. Défense des Plantes, Leningrad **2** 1925 pp. 151–153. [Orth.]

2376.—**Prell,** H. Der Kokon der Honigbiene. Erlanger Jahrbuch für Bienenkunde, Freiburg i. Br. **2** 1924 pp. 176–189. [Hym.]

2377.—**Prell,** H. Beiträge zur Kenntnis der Honigbiene, I-III. Märkische Bienenzeitung, Berlin **14** 1924 pp. 74–78, 112–114, 127–129 ; **15** 1925 pp. 83–85, 109–111, 132–134 etc. [Hym.]

2378.—**Prell,** H. Zur Biologie der Blattschaber (Cionini). Die Entstehung der larvalen Gallerthülle und des Puppenkokons. Zool. Anz., Leipzig **62** 1925 pp. 33–48. [Col.]

2379.—**Prell,** H. Zur Biologie der Blattschaber (Cionini). II. Die Entwicklungsgang des Eschenblattschabers. Forstl. Wochenschr. Silva, Tübingen **1925** no. 7, separate 6 pp. [Col.]

2380.—**Prell,** H. Die Biologie von *Cryptocephalus pini* L. (1. Mitteilung.) Zs. angew. Ent., Berlin **11** 1925 pp. 55–62. [Col.]

2381.—**Prell,** H. Ueber *Apanteles solitarius* Ratz. als Parasit der Nonnenraupen. Anz. Schädlingsk., Berlin **1** 1925 pp. 103–105 2 figs. [Hym.]

2382.—**Prell,** H. Zur Biologie eines bisher verkannten Kieferneulenschmarotzers (*Microplitis decipiens* sp. n.). Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 137–147 6 figs. [Hym.]

2383.—**Prell,** H. Die Trichterrolle des Ahornblattrollers. Biologisches und Taxonomisches über einen sehr bemerkenswerten Rüsselkäfer. Zs. Morph. Oekol. Tiere, Berlin, **3** 1925 pp. 685–703 4 figs. [Col.]

2384.—**Prell,** H. Der Trichterwickler des Birkenblattrollers. Naturwissenschaften, Berlin **13** 1925 pp. 652–656 3 figs. [Col.]

2385.—**Prell,** H. Das Ausschlüpfen des Seidenspinners aus dem Kokon. Naturwiss. Korrespondenz, *sine loco* **2** n.d. pp. 137–141. [Lep.]

2386.—**Priesner,** H. Zur Thysanopteren-Fauna der ostadriatischen Küstenländer. Zs. österr. Ent.-Ver., Vienna **4** 1919 pp. 79–80, 89–90, 96–97, 104–106, 113–114, 4 figs.

2387.—**Priesner,** H. Zur Kenntnis der Thysanopteren Tirols nebst Beschreibung zweier neuer Arten. Zs. österr. Ent.-Ver., Vienna **6** 1921 pp. 20–21, 27–29, 37.

2388.—**Priesner,** H. Zwei neue, beachtenswerte Thysanopterentypen aus Ungarn. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 5–7 1 fig.

2389.—**Priesner,** H. Katalog der europäischen Thysanopteren. Konowia, Vienna **4** 1925 pp. 141–159.

2390.—**Priesner,** H. Thysanopterologica I. Zool. Jarhb., Jena Abt. f. Syst. **50** 1925 pp. 305–319 1 fig.

2391.—**Priesner,** H. Neue Thysanoptera. D. ent. Zs., Berlin **1925** pp. 13–28 1 fig.

2392.—**Priesner,** H. Zum Artikel: "Neue Arten Blasenfüsse" von Prof. Dr. Paul Solowiow. Ent. Zs., Frankfort on M. **38** 1924 p. 34. [Thysanop.]

2393.—[**Printz,** Ya. I.] Принц, Я. И. Biology of *Carpomyia caucasica.* [In Russian with German summary.] Зап. научно-прикл. отдѣловъ Тифл. Бот. Сада. [Notes App. Sci. Depts. Tiflis Bot. Gdns.] **1919** no. 1 separate, 7 pp. [Dipt.]

2394.—**Prohaska,** K. Kleinschmetterlinge vom Lesachtale in Kärnten. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 2–4, 24. [Lep.]

2395.—**Prohaska,** K. Kleinschmetterlinge von Pola. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 32–33. [Lep.]

2396.—**Prout,** A. E. Seven apparently new S. African Noctuidae. Entomologist, London **58** 1925 pp. 213–218. [Lep.]

2397.—**Prout,** A. E. Some Malayan Noctuidae from the Raffles Museum, Singapore. Ann. Mag. Nat. Hist. London (9) **16** 1925 pp. 395–405. [Lep.]

2398.—**Prout,** L. B. Geometrid descriptions and notes. Nov. Zool., Tring **32** 1925 pp. 31–69. [Lep.]

2399.—**Prout,** L. B. New Geometridae from Madagascar in the collection of Sir George H. Kenrick. Trans. Ent. Soc. London **1925** pp. 301–319 1 pl. [Lep.]

2400.—**Prout,** L. B. New Geometridae in the collection of the Deutsches Ent. Institut (Lep.). Ent. Mitt., Berlin **14** 1925 pp. 309–312.

2401.—**Prout,** L. B. New species of Geometridae (Lepidoptera) in the collections of the South African Museum. Ann. S. Afric. Mus., Cape Town **19** 1925 pp. 579–600 2 pls.

2402.—**Prouteau,** E. Liste des Coléoptères récoltés à Quiberon (Morbihan). Bull. Soc. Sci. nat. Nantes (4) **4** 1924 pp. 22–25.

2403.—**Prüffer,** J. Observations et expériences sur les phénomènes de la vie sexuelle de *Lymantria dispar* L. Bull. intern. Acad. polon. Sci., Cracow B **1923** 1924 pp. 1–9. [Lep.]

2404.—**Pruthi,** H. S. Homologies of the genital duct of Insects. Nature, London **115** 1925 p. 763 1 fig.

2405.—**Pruthi,** H. S. The moulting of insects. Nature, London **116** 1925 p. 938.

2406.—**Pruthi,** H. S. The morphology of the male genitalia in Rhynchota. Trans. Ent. Soc. London **1925** pp. 127–254 27 pls. 3 figs.

2407.—**Pruthi,** H. S. Recherches sur la métamorphose des Insectes. II. Influence des traumatismes. C.R. Soc. Biol., Paris **92** 1925 pp. 76–77 1 fig.

2408.—**Pruthi,** H. S. Studies on insect metamorphosis. III. Influence of starvation. Brit. J. Exptl. Biol., Edinburgh **3** 1925 pp. 1–8.

Pruthi, H. S. *see* Husain & Pruthi.

2409.—**Puel,** L. Notes sur les Carabiques. Misc. ent., Uzés & Castanet-Tolosan **22** 1914 pp. 29–36; **24** 1919–20 pp. 69–70, 75–77, 89–93; **27** 1923 sep. pp. 17–32; **27** 1924 pp. 33–47; **28** 1925 sep. pp. 49–64; **29** sep. pp. 1–48. [Col.]

2410.—Pulkkinen, A. Ueber die Larven einiger Odonaten. Not. ent., Helsingfors **5** 1925 pp. 111–114 14 figs.

2411.—Püngeler, R. Neue palaearktische Macrolepidopteren. D. ent. Zs. Iris, Dresden **39** 1925 pp. 231–233. [Lep.]

2412.—Puri, I. M. On the life-history and structure of the early stages of Simuliidae (Diptera, Nematocera). Parts I & II. Parasitology, Cambridge **17** 1925 pp. 295–369 2 pls. 21 figs.

2413.—Puri, I. M. A note on the early stages of a species of *Simulium* from Tunis—*S. equinum* var. *mediterraneum* nov. (Diptera, Simuliidae). Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 253–255 1 fig.

2414.—Puri, I. M. On the structure of the larval stages of *Leptohylemyia coarctata.* Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 506–508 1 pl. [Dipt.]

2415.—Puy, W. A. Du. Our insect friends and foes. Philadelphia 1925. [Not seen.]

2416.—Quast, M. Beiträge zur Kenntnis der Sammenübertragen bei *Ephestia kuehniella* Zeller. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 10 pp. 70–90 13 figs. [Lep.]

2417.—Querci, O. Further notes on *Polyommatus* (*Agriades*) *coridon* and allied species. Ent. Rec., London **37** 1925 pp. 37–40. [Lep.]

2418.—Querci, O. The yellow-spotted *P. apollo* from the Sierra Nevada, Spain. Ent. Rec., London **37** 1925 pp. 150–151. [Lep.]

2419.—Querci, O. & **Romei,** E. Short notes on collecting in Spain in 1924. Ent. Rec., London **37** 1925 pp. 26–28.

2420.—Quervain, A. de & **Mercanton,** P. L. Résultats scientifiques de l'expédition suisse au Groenland 1912–1913. Medd. Grønland, Copenhagen **59** 1925 pp. 55–271. (Notice entomologique p. 268.) [Dipt.]

2421.—Rabaud, E. Tropismes et symétrie morphologique. C.R. Soc. Biol., Paris **92** 1925 pp. 603–605.

2422.—Rabaud, E. Les phénomènes de convergence en biologie. Bull. Biol. France Belgique, Paris Suppl. **7** 1925 pp. 1–165 18 figs.

2423.—Raebel, H. Die Variabilität von *Boarmia repandata* L. Jahresheft Verschles. Insektenk., Breslau **14** 1924 pp. 88–91 2 pls. [Lep.]

2424.—Raebel, H. *Gastropacha populifolia* Esp. und ihre Zucht in drei Generationen. Intern. ent. Zs., Guben **19** 1925 pp. 108–110. [Lep.]

2425.—Raebel, H. Beitrag zur Biologie von *Chilo phragmitellus* Hb. Intern. ent. Zs., Guben **19** 1925 pp. 97–100. [Lep.]

2426.—Raffray, A. Étude sur la distribution géographique des Coléoptères de la famille des Psélaphides. Mem. pont. Accad. n. Lincei, Rome (2) **6** 1923 pp. 149–229; (2) **7** 1924 pp. 1–158.

2427.—Ramachandra Rao, Y. Life-history of *Pundaluoya simplicia*—the Cholam leaf-hopper. Madras Dept. Agric. Year Book **1923** 1924 pp. 27–31. [Hem.]

2428.—Ramachandra Rao, Y. A further contribution to a knowledge of South Indian grass gall midges. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 270–274. [Dipt.]

2429.—Ramachandra Rao, Y. The genitalia of certain Anthomyiid flies (*Atherigona* spp.). Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 330–335 6 pls. [Dipt.]

2430.—Ramachandra Rao, Y. A note on dimorphism in *Pundaluoya simplicia,* Distant (*Dicranotropis maidis* Ashm.). Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 406–408 1 pl. [Hem.]

Ramachandra Rao, Y. *see* Ballard & Ramachandra Rao.

2431.—Ramakrishna Ayyar, T. V. Life-history notes on *Vespa cincta.* Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 261–262 1 pl. [Hym.]

2432.—Ramakrishna Ayyar, T. V. Short notes on some South Indian insects. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 263–269 4 pls.

2433.—Ramakrishna Ayyar, T. V. On the bionomics and taxonomy of Mutillidae with special reference to South Indian forms. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 278–279 2 pls. [Hym.]

2434.—Ramakrishna Ayyar, T. V. A further contribution to our knowledge of South Indian Coccidae. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 339–344. [Hom.]

2435.—Ramakrishna Ayyar, T. V. A catalogue of the Braconid wasps described from the Indian region. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 352–362. [Hym.]

2436.—Ramakrishna Ayyar, T. V. The nim mealy scale (*Pulvinaria maxima*, Green). Mem. Dept. Agric. India, Calcutta Ent. Ser. **8** 1925 pp. 127–155 14 figs. 1 pl. [Hem.]

2437.—Ramakrishna Ayyar, T. V. Notes on the status of some parasitic Hymenoptera in South India. J. Bombay Nat. Hist. Soc. **30** 1925 pp. 487–491 3 pls. 1 fig.

2438.—Ramakrishna Ayyar, T. V. A check-list of Indo-Ceylonese Chalcid Flies (Chalcidoidea). Spolia Zeylanica, Colombo **13** 1925 pp. 235–254. [Hym.]

2439.—Ramaswamayya, A. G. A note on the oviposition of *Podagrion* sp. on a Mantis egg-mass. Madras Dept. Agric. Year Book **1922** 1923 pp. 55–57. [Hym.]

2440.—Rambousek, F. Une espèce nouvelle de *Sipalia* de Bulgarie. Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 68–69 4 figs. [Col.]

2441.—Rambousek, G. Staphylinides nouveaux de l'Amérique méridionale (Col.) (2e contribution). Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 69–76 7 figs.

2442.—Ramme, W. Orthopterologische Beiträge. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 12 pp. 81–166 3 pls. 17 figs.

2443.—Ramme, W. Zwei neue aethiopische Genera der Eumastacidae (Orth. Acrid.). Eos, Madrid **1** 1925 pp. 199–202 4 figs. 1 pl.

2444.—Rangnow, H., Sen. Beiträge zur Biologie einiger Noctuiden und uber vermeintliche oder wirkliche Schädigkeit ihrer Raupen. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 62–66. [Lep.]

2445.—Rathje, L. & **Schroeder,** J. D. Verzeichnis der Grossschmetterlinge von Bremen und Umgebung. Abh. naturw. Ver. Bremen **25** 1924 pp. 285–357. [Lep.]

2446.—Rathlef, H. v. II. Supplementum zu den Coleoptera Baltica. SitzBer. Natf. Ges., Dorpat **25** (1916–17) 1921 pp. 53–65. [Col.]

2447.—Rathsamhausen, J. de & **Riffard,** E. Le pseudo-langage des abeilles. C.R. Assoc. franç. Avanc. Sci., Paris **47** (1923) 1924 pp. 597–601. [Hym.]

2448.—Raymundo, B. Noticia sobre alguns Lepidopteros serigenos do Brasil. Rio de Janeiro 1919 70 pp. 27 figs.

2449.—Raynor, G. H. A compendium of named varieties of the large magpie moth, *Abraxas grossulariata* with label list. Maldon 1920 7 pp.

2450.—Rebel, H. Lepidopteren aus Mittelalbanien. Zs. österr. Ent.-Ver., Vienna **3** 1918 pp. 75–77, 85–88.

2451.—Rebel, H. Eine neue Nymphalide aus Brasilien. Zs. österr. Ent. Ver., Vienna **5** 1920 pp. 67–68 2 figs. [Lep.]

2452.—Rebel, H. Revision des Formenkreises von *Philosamia cynthia* Dru. (Saturniidae). Ann. nat.-hist. Mus., Vienna **39** 1925 pp. 154–176 3 figs. 3 pls. [Lep.]

2453.—Rebel, H. Ueber das Auffinden einer Noctuide auf Spitzbergen. Norsk ent. Tidsskr., Oslo **2** (1924) 1925 p. 53. [Lep.]

2454.—Régnier, R. L'Anthonome du Pommier (*Anthonomus pomorum*, L.). Ann. Epiphyties, Paris **11** 1925 pp. 5–45 2 pls. 12 figs. [Col.]

2455.—Reh, L., et al. Handbuch der Pflanzenkrankheiten (Sorauer). Vol. IV. Tierische Schädlinge an Nutzpflanzen. Teil 1. **1925** Berlin P. Parey pp. xvi + 483 218 figs.

2456.—Rehn, J. A. G. Notes on West Indian Dermaptera, with the description of a new species of *Vostox*. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 19–26 2 figs

2457.—Rehn, J. A. G. Zoological Results of the Swedish Expedition to Central Africa 1921. Insecta. 9. Dermaptera. Ark. Zool., Stockholm **17A** no. 15 1925 pp. 1–4.

2458.—Reichardt, A. La teigne du chou (*Plutella maculipennis* Curt.). Essai monographique. [In Russian.] Bull. Sous-sect. combattre Ennemis Plantes Com. Agric. Petrograd **1** 1919 pp. 6–77 15 figs. [Lep.]

2459.—Reichardt, A. Beiträge zur coleopterologischen Fauna des Leningrader Gouvernements. I. [In Russian with German summary.] Rev. russe Ent., Leningrad **18** 1924 pp. 217–222.

2460.—Reichardt, A. De specie nova secunda generis *Dendrophilopsis* Schm. (Coleoptera, Histeridae). Rev. russe Ent., Leningrad **19** 1925 pp. 61–62.

2461.—Reichardt, A. Zur Kenntnis der Histeridenfauna der Kirghisensteppe und des Altai. Ent. Bl., Berlin **21** 1925 pp. 108–113. [Col.]

2462.—Reichelt, M. Schuppenentwicklung und Pigmentbildung auf den Flügeln von *Lymantria dispar* unter besonderer Berücksichtigung des sexuellen Dimorphismus. Zs. Morph. Oekol. Tiere, Berlin **3** 1925 pp. 477–525 2 pls. 12 figs. [Lep.]

2463.—Reichensperger, A. Die Bauten des *Apicotermes occultus* Silv. Bull. mens. Soc. Nat., Luxemburg **17** 1923 pp. 52–59 2 pls. 1 fig. [Isop.]

2464.—Reichensperger, A. "Ameisenmimikry" und "metöke Myrmekoidie." Biol. Zentralbl., Leipzig **45** 1925 pp. 290–303 1 fig. [Hym.]

2465.—Reichensperger, A. Beitrag zur Kenntnis der Paussiden (Col.). Ent. Mitt., Berlin **14** 1925 pp. 343–351 4 figs.

2466.—Reichensperger, A. Weitere Histeriden-Beiträge. Ent. Mitt., Berlin **14** 1925 pp. 351–357 2 figs. [Col.]

2467.—Reichensperger, A. Die Paussiden des belgischen Congogebietes. Rev. zool. afr., Brussels **13** 1925 pp. 22–45 1 pl. [Col.]

2468.—Reineck, G. I. Beitrag zur Lebens- und Entwicklungsweise von Coleopteren. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 148–149.

2469.—Reinhard, E. G. The wasp *Hoplisus costalis* a hunter of tree-hoppers. J. Washington Acad. Sci. **15** 1925 pp. 107–110. [Hym.]

2470.—Reinhard, E. G. The wasp, *Nysson hoplisivora*, a parasitic relative of *Hoplisus costalis*. J. Washington Acad. Sci. **15** 1925 pp. 172–175. [Hym.]

2471.—Reiss, H. Die Zygaenen Deutschlands mit Berüchsichtigung ihrer Verbreitung. Intern. ent. Zs., Guben **19** 1925 pp. 105–108, 113–117, 145–149, 230–232, 235–237. [Lep.]

2472.—Reith, F. Die Entwicklung des *Musca*-Eies nach Ausschaltung verschiedener Eibereiche. Zs. wiss. Zool., Leipzig **126** 1925 pp. 181–238 39 figs. [Dipt.]

2473.—Reitter, E. Bestimmungstabelle der Unterfamilien: Belopinae, Borinae, Tenebrioninae und Coelometopinae der Tenebrioniden. (Col.) Tenebrionidae XV. Teil. Bestimmungstabellen der europ. Coleopt., Paskau (Moravia) Heft **87** 1920 24 pp.

2474.—Reitter, E. Bestimmungstabellen der Coleopteren-Familie Pythidae aus Europa und den angrenzenden Ländern. Bestimmungstabellen der europ. Coleopt., Troppau (Silesia) Heft **91** 1921 12 pp.

2475.—Remy, P. L'iode et le développement des insectes. Bull. Soc. Sci. Nancy (4) **2** 1923 pp. 45–52.

2476.—Renner, O. Vererbung bei Artbastarden. Zs. indukt. Abstammgslehre, Berlin **33** 1924 pp. 317–347.

2477.—Ressler, W. Bedingungen für den Erfolg beim Köderfang. Intern. ent. Zs., Guben **18** 1925 pp. 225–228. [Lep.]

2478.—Reuss, —. Die "bursa uncalis" bei weiblichen Satyriden. Eine Neubeschreibung. D. ent. Zs., Berlin **1925** pp. 167–168. [Lep.]

2479.—Reverdin, J. L. *Melitaea athalia* Rott. et *Melitaea pseudathalia* nova species (?). Bull. Soc. lép. Genève **5** 1922 pp. 24–45 2 pls. 5 figs. [Lep.]

2480.—Reverdin, J. L. Aberrations de Lépidoptères. Bull. Soc. lép. Genève **5** 1922 p. 46 2 figs.

2481.—Reverdin, J. L. Note sur *Hesperia cribrellum* Eversmann. Bull. Soc. lép. Genève **5** 1924 pp. 98–106 2 pls. [Lep.]

2482.—**Reza,** A. Recursos alimenticios de Mexico de origen animal poco conocidos. Hormigas de guijes o escamoles, *Lasius eskamole.* Mem. Rev. Soc. cient. Ant. Alzate, Mexico **44** 1925 pp. 1–22. [Hym.]

2483.—**Ribaut,** H. L'urite IX des males chez les Pentatomides. Bull. soc. Hist. nat. Toulouse **51** 1923 pp. 183–184 2 figs. [Hem.]

2484.—**Ribeiro,** S. Coleoptera of the family Paussidae. J. Asiat. Soc. Bengal, Calcutta, N.S. **20** (1924) 1925 pp. 383–390.

Ribeiro, S. *see* Mukherji & Ribeiro.

2485.—**Ricardo,** G. New species of Asilidae from South Africa. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 234–282. [Dipt.]

2486.—**Richards,** M. H. & **Furrow,** E. T. The eye and optic tract in normal and "eyeless" *Drosophila.* Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 243–258 3 pls. [Dipt.]

2487.—**Richardson,** C. H. The oviposition response of insects. U.S. Dept. Agric., Washington Dept. Bull. **1324** 1925 17 pp.

Richter, O. *see* Meyer & Richter.

2488.—**Riedel,** M. P. Nematocera polyneura [from the Arctic Ural, 1909]. [In German.] Mém. Acad. Sci. Russie, Petrograd Cl. phys.-math. (8) **28** no. 8 1919 10 pp. 8 figs. [Dipt.]

2489.—**Riedel,** M. P. Eine neue *Tipula* aus Dalmatien (Dipt. Tipulidae). D. ent. Zs., Berlin **1925** pp. 84–85 1 fig.

2490.—**Riel,** P. Considérations sur les Trichoptères et la classification des Lépidoptères. Ann. Soc. linn. Lyon **71** (1924) 1925 pp. 84–88.

Riel, P. *see* Gautier & Riel.

Riffard, E. *see* Rathsamhausen & Riffard.

2491.—**Riley,** C. F. C. Distribution of the large water-strider *Gerris remigis* Say throughout a river system. Ecology, Brooklyn **2** 1921 pp. 32–36 3 figs. [Hem.]

2492.—**Riley,** C. F. C. Some aspects of the general ecology and behaviour of the water-strider, *Gerris rufoscutellatus,* Latreille. Ent. Rec., London **37** 1925 pp. 65–72, 86–93, 107–115, 1 pl. [Hem.]

2493.—**Riley,** N. D. The species usually referred to the genus *Cigaritis* Boisd. (Lepidoptera: Lycaenidae). Nov. Zool., Tring **32** 1925 pp. 70–95 13 figs.

2494.—**Riley,** N. D. List of the Butterflies collected in Arabia by Captain R. E. Cheesman, with a description of one new subspecies. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 151–152 1 pl. [Lep.]

2495.—**Riley,** N. D. Notes on the genus *Ceratrichia* (Lep., Hesperiidae). Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 405–416.

2496.—**Riley,** N. D. Jersey Lepidoptera. Entomologist, London **58** 1925 pp. 149–151.

2497.—**Riley,** N. D. A revision of the continental African species of the genus *Artitropa* (Lep. Hesperiidae). Trans. Ent. Soc. London **1925** pp. 281–288 1 pl.

2498.—**Riley,** N. D. *Henotesia perspicua* Trimen (Lep., Satyridae) and its seasonal forms. Trans. Ent. Soc. London **1925** pp. xix–xxi 6 figs. [Lep.]

2499.—**Riley,** N. D. & **Gabriel,** A. G. Catalogue of the type specimens of Lepidoptera Rhopalocera in the British Museum Part II. Danaidae. Br. Mus. (Nat. Hist.), London 1925 55 pp.

2500.—**Riley,** N. D. & **Godfrey,** E. J. New Rhopalocera from Siam and Hainan. Entomologist, London **58** 1925 pp. 140–143, 1 pl.

2501.—**Rimsky-Korsakow,** A. P. Einige Beobachtungen an Zweiflüglern aus der Gattung *Chionea* Dalm. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 69–76, 99–105. [Dipt.]

2502.—[**Rimsky - Korsakov,** M.] Римский - Корсаковъ, М. On the Biology of Parasitic Hymenoptera living in Water. [In Russian.] J. App. Ent., Kiev **1** 1917 pp. 1–7.

2503.—[**Rimsky-Korsakov,** M. N.] Римский - Корсаковъ, М. Н. The Biology of Rhaphidiidae. [In Russian.] Trans. 3rd All-Russian Entomo-Phytopath. Meeting Petrograd 18–25 December **1921,** Petrograd 1922 pp. 36–43 2 pls. [Neuroptera.]

2504.—Rimsky-Korsakow, M. N. Ueber Wasserhymenopteren aus der Gattung *Caraphractus* Haliday. [In Russian, with German summary.] Trav. Soc. Nat. Leningrad **54** 2 1925 pp. 97–113 14 figs.

2505.—Ringdahl, O. Översikt av svenska *Hydrotaea*-arter (Muscidae). Ent. Tidskr., Stockholm **46** 1925 pp. 7–20. [Dipt.]

2506.—Ringdahl, O. Anthomyidae aus den Färöern. Ent. Tidskr., Stockholm **46** 1925 pp. 204–205. [Dipt.]

2507.—Ripley, L. B. The external morphology and postembryology of Noctuid larvae. Illinois Biol. Monogr., Urbana **8** (1923) 1924 pp. 243–344 8 pls. [Lep.]

2508.—Ritterhaus, K. Eine neue Art von Eisprengern bei Lamellicornierlarven (*Phyllopertha horticola* L. und *Anomala aenea* Deg.). Zool. Anz., Leipzig **62** 1925 pp. 31–33 4 figs. [Col.]

2509.—Röber, J. Neue südamerikanische Falter (Lep.). Ent. Mitt., Berlin **14** 1925 pp. 85–100, 156–162.

2510.—Röber, J. Neue Nymphalidae aus Indo-Australien (Lepid.). Ent. Mitt., Berlin **14** 1925 pp. 233–234.

2511.—Röber, J. Neue Falter. Stettin. ent. Ztg., **85** (1924) 1925 pp. 184–190; **86** 1925 pp. 167–175. [Lep.]

2512.—Röber, J. Neue Falter. Ent. Rdsch., Stuttgart **42** 1925 pp. 42–43, 45–46. [Lep.]

2513.—Roberts, J. I. On the bionomics of *Hippobosca equina*. Ann. Trop. Med. & Parasit., Liverpool **19** 1925 pp. 81–90. [Dipt.]

2514.—Robertson, C. The sunflower and its insect visitors. Ecology, Brooklyn **3** 1922 pp. 17–21. [General.]

2515.—Robertson, C. Phenology of entomophilous flowers. Ecology, Brooklyn **5** 1925 pp. 393–407. [General.]

2516.—Robertson, C. Heterotropic bees. Ecology, Brooklyn **6** 1925 pp. 412–436. [Hym.]

2517.—Robertson, C. Honey-bees and perforated flowers. Science, New York **62** 1925 pp. 287–288. [Hym.]

2518.—Robertson, C. Note on Panurgidae (Bees). Psyche, Boston **32** 1925 p. 113. [Hym.]

2519.—Robertson, C. Habits of the Hibiscus Bee, *Emphor bombiformis*. Psyche, Boston **32** 1925 pp. 278–282. [Hym.]

2519a.—Rocci, U. Forme liguri del gen. *Zygaena* Fabr. (Lep.). Nota preliminare. Boll. Soc. ent. ital., Genoa **57** 1925 p. 97.

2520.—Rocci, U. & **Turati,** E. Materiali per una fauna dell'Archipelago Toscano. XVIII. Lepidotteri dell'Isola del Giglio. Ann. Mus. civ. Stor. nat., Genoa (3) **10** (**50**) 1925 pp. 355–362.

2521.—Rockwood, L. P. On night flying and attraction to light in Acrididae and the relations of meteorological conditions thereto. Pan-Pacific Ent., S. Francisco **2** 1925 pp. 36–38. [Orth.]

2522.—Rodenwaldt, E. Entomologische Notities. III. Geneesk. Tijdschr. Ned.-Indië, Batavia **65** 1925 pp. 173–201 34 figs. [Dipt.]

2523.—Roepke, W. Eine neue myrmekophile Tineide aus Java: *Hypophrictoides dolichoderella* n.g. n.sp. Tijdschr. Ent., The Hague **68** 1925 pp. 175–194 2 pls. 4 figs. [Lep.]

2524.—Roepke, W. Zur vermeintlichen Myrmekophilie des *Trochoideus desjardinsi* Guér. (= *Tr. termitophilus* Rpke.?) (Coleoptera: Endomychidae). Biol. Zentralbl., Leipzig **45** 1925 pp. 572–574.

2525.—Rogers, St. A. & **Van Someren,** V. G. L. The butterflies of Kenya and Uganda. J.E. Afr. and Uganda N.H. Soc., Nairobi no. **21** 1925 pp. 22–43 1 fig. 10 pls.; no. **23** 1925 pp. 105–145 13 pls. [Lep.]

2526.—Rogozina, M. Die peripheren Nerven der Aeschnalarven. i. Die Nerven der Abdominalsegmente. [In Russian with German summary.] Bull. Inst. Recherches biol. Univ. Perm, **3** 1924 pp. 135–141 1 pl. [Odon.]

2527.—Rohdendorf, B. Nouvelles espèces paléarctiques du genre *Sarcophaga* Mg., Bött. (Diptera, Tachinidae). Rev. russe Ent., Leningrad **19** 1925 pp. 53–60 11 figs.

2528.—Rohdendorf, B. Eine neue *Sarcophaga*-Art aus Zentral-Asien (Dipt.). Ent. Mitt., Berlin **14** 1925 pp. 121–123 1 fig.

2529.—**Rohdendorf,** B. Miltogramminen-Studien I. Zool. Anz., Leipzig **62** 1925 pp. 80–85 4 figs. [Dipt.]

2530.—**Rohdendorf,** B. Etudes sur les Miltogrammines. Encyc. ent. Sér. B. II. Dipt. **2** Paris 1925 pp. 61–72 6 figs. [Dipt.]

2531.—**Röher,** A. Ueber den Zusammenhang von Färbung, Sinnen und Lebensweise bei den Schmetterlingen. Ent. Anz., Vienna **5** 1925 pp. 138–139, 147–149, 156–157, 164–167, 169–172, 187–188. [Lep.]

2532.—**Röher,** A. Beweis durch Experiment mit Johanniskäfern. Intern. ent. Zs., Guben **19** 1925 pp. 150–151. [Col.]

2533.—**Rohwer,** S. A. Hymenoptera of Connecticut: Vespoidea (pp. 606–644); Sphecoidea (pp. 645–697 figs.). Conn. H.N. Surv., Hartford Bull. **22** 1916.

2534.—**Rohwer,** S. A. Five Braconid parasites of the genus *Heterospilus.* J. Washington Acad. Sci. **15** 1925 pp. 177–182 fig. [Hym.]

2535.—**Rohwer,** S. A. Description of a new sawfly injurious to jack pine. Proc. Ent. Soc. Washington **27** 1925 pp. 115–116. [Hym.]

2536.—**Rohwer,** S. A. Sawflies from the Maritime Province of Siberia. Proc. U.S. Nat. Mus., Washington **68** 1925 art. 8 no. 2609 pp. 1–12. [Hym.]

2537.—**Rohwer,** S. A. New Thynnid wasps from the Oriental and Australian regions. Philipp. J. Sci., Manila **26** 1925 pp. 415–421 1 pl. [Hym.]

2538.—**Rojas,** R. T. Estudios Entomologicos Lepidopteros. San José, Costa Rica 1925 pp. 1–70 3 pls.

2539.—**Roman,** A. Die Ichneumoniden des arctischen Sibiriens nach der Sammlung der Russischen Polar-Expedition 1900–1903. Mém. Acad. imp. Sci., St. Petersburg Cl. phys.-math. (8) **29** no. 7 1914 14 pp. 16 figs. [Hym.]

2540.—**Roman,** A. Schwedische Schlupfwespen, alte und neue. Ark. Zool., Stockholm **17a** no. 4 1925 pp. 1–34. [Hym.]

2541.—**Roman,** A. Fauna Faerøensis. Braconidae nebst Nachtrag zu den Ichneumoniden. Ent. Medd., Copenhagen **14** 1925 pp. 410–425. [Hym.]

2542.—**Romaniszyn,** J. Motyle z okolic Odesy zebrane w roku 1918 i 1919. [Die Schmetterlinge der Umgebung von Odessa gesammelt im Jahre 1918 und 1919.] Kosmos, Lemberg **45** 1920 pp. 59–86.

2543.—**Romaniszyn,** J. Quelques espèces des papillons nouveaux ou plus rares pour la faune de la Pologne. [In Polish with French summary.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 196–201. [Lep.]

Romei, E. *see* Querci & Romei.

Romeo, A. *see* Foà & Romeo.

2544.—**Romieux,** J. Observations sur quelques Sésies et plus particulièrement sur *Dipsosphecia ichneumoniformis* F. Bull. Soc. lép. Genève **5** 1922 pp. 16–23. [Lep.]

2545.—**Rondelli,** M. Osservazioni sulla simbiosi ereditaria negli Afidi gallicoli. Atti R. Accad. Sci. Torino, **60** 1925 pp. 86–88. [Hom.]

2546.—**Root,** F. M. Parasitism among the Insects. Scientific Mthly., New York **9** 1924 pp. 479–495; also Johns Hopkins Univ. School Hyg. & Pub. Health, Baltimore Collected papers **6** no. 34 1925.

2547.—**Rosen,** K. von. Die Rhopaloceren-Ausbeute der Pamir-Expedition des Deutsch-Österreichischen Alpenvereins. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 83–100. [Lep.]

2548.—**Rosenberg,** E. C. Contributions to the knowledge of the life-habits, development and systematics of the Coleoptera. IV. On the larva of *Batrisodes venustus* Reichenb., with remarks on the life-habits of other so-called myrmecophile Coleoptera. Ent. Medd., Copenhagen **14** 1925 pp. 377–388. [Continuation.]

2549.—**Roth,** P. Les *Sphex* de l'Afrique du Nord. Ann. Soc. ent. France, Paris **94** 1925 pp. 365–404. [Hym.]

2550.—**Rothschild,** Lord. Descriptions of new forms of *Delias,* with some notes on others. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 671–677. [Lep.]

2551.—**Rothschild,** Lord. On three North African Zygaenas. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 678–680. [Lep.]

2552.—**Rothschild,** *Lord.* List of Lepidoptera collected by Dr. E. Hartert and Herr Carl Hilgert in Cyrenaica in March, April, and May 1922. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 200–208.

2553.—**Rothschild,** *Lord.* Critical list of the Collection of Algerian Lepidoptera of the late Captain N. J. E. Holl. Nov. Zool., Tring **32** 1925 pp. 195–229.

2554.—**Roubal,** J. Ein neuer *Carabus* bastard. Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 92–93. [Col.]

2555.—**Roubal,** J. Coleopterologisches aus Mitteldalmatien. Wiener ent. Ztg., Vienna **42** 1925 pp. 48–51.

2556.—**Roubal,** J. Zwei neue palaearktische *Cerylon.* Ent. Bl., Berlin **21** 1925 pp. 76–77. [Col.]

2557.—**Roubal,** J. Contribution à la faune des Coléoptères de la Slovaquie occidentale avec la description de deux formes nouvelles. Bull. Soc. ent. France, Paris **1925** pp. 61–63.

2558.—**Roubal,** J. Encore deux nouvelles var. de *Hololepta plana* Fuessly. Misc. ent., Castanet-Tolosan **28** 1925 p. 89. [Col.]

2559.—**Roubaud,** E. Une nouvelle espèce de puce-chique pénétrante, parasite des rats en Chine: *Dermatophilus lagrangei* n. sp. Bull. Soc. Path. exot., Paris **18** 1925 pp. 399–405 6 figs. 1 pl. [Siphonap.]

2560.—**Roubaud,** E. Nouveaux Diptères piqueurs de l'Est africain. Bull. Soc. Path. exot., Paris **18** 1925 pp. 465–469 2 figs.

2561.—**Rousseau,** E. La larvule de *Epitheca bimaculata* Charp. Ann. Biol. lacustre, Brussels **9** 1920 pp. 249–252 3 figs. [Odon.]

2562.—**Rousseau,** E. Sur la présence en Belgique de *Liponeura cinerascens* Lw. Ann. Biol. lacustre, Brussels **9** 1920 pp. 253–255. [Dipt.]

2563.—**Rousseau,** E. Contribution à l'étude des larves d'Haliplides d'Europe. Ann. Biol. lacustre, Brussels **9** 1920 pp. 269–278 4 figs. [Col.]

2564.—**Routledge,** C. B. The Lepidoptera of Cumberland. Part III. Trans. Carlisle Nat. Hist. Soc. **3** 1923 pp. 40–69.

Roux, J. *see* Sarasin & Roux.

2565.—**Royer,** M. Travaux scientifiques de l'Armée d'Orient (1916–1918). Hémiptères Hétéroptères. 4ieme et dernière note. Bull. Mus. Hist. nat. Paris **1924** pp. 483–489 1 map.

2566.—**Royer,** M. Notes synonymiques (Hem.) 3e partie. Bull. Soc. ent. France, Paris **1925** pp. 91–93.

2567.—**Rudolfs,** W. Relation between temperature, humidity and activity of house mosquitoes. J. New York Ent. Soc. **33** 1925 pp. 163–169. [Dipt.]

2568.—**Rudy,** H. Bibliographie zur Gliedertier-Fauna des oberen Rheingebiets und der angrenzenden Länder. I. Veröffentlichungen über die Käferfauna Badens und daran anschliessender Gebiete. Mitt. badischen ent. Ver., Freiburg i. Br. **1** 1925 pp. 172–186. [Col.]

2569.—**Rudy,** H. Die postglazialen Klima verhältnisse und ihre Wirkung auf die Verbreitung der xerothermen Insekten im oberen Rheingebiet. Mitt. badischen ent. Ver., Freiburg i. Br. **1** 1925 pp. 186–188.

2570.—**Ruelas,** A. *Papilio daunus* Boisduval. Bol. oficial. Secr. Agric. y Fomento, Mexico **9** 1925 pp. 144–155 9 figs. [Lep.]

2571.—**Ruiz,** F. Notas biologicas sobre alcunos insectos chilenos. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 76–80 1 fig. [Col.]

2572.—**Ruiz,** F. El género *Idiostoma* en Chile. Rev. chil. Hist. nat., Santiago **28** 1924 pp. 99–101 1 fig. [Col.]

2573.—**Ruschka,** F. Beitrag zur Kenntnis der forstlichen Braconiden. Zs. angew. Ent., Berlin **11** 1925 pp. 197–202 1 fig. [Hym.]

2574.—**Russell,** P. F. Identification of the larvae of the three common Anopheline mosquitoes of the southern United States. Amer. J. Hyg., Baltimore **5** 1925 pp. 149–174 5 figs. [Dipt.]

2575.—**Russo,** G. La curva di sviluppo di un coleottero xilofago, il *Chaetoptelius vestitus* (Muls. & Rey) Fuchs. Atti Accad. Lincei, Rome Rendiconti Cl. Sci. fis. mat. nat. (6) **2** 1925 pp. 286–291 2 figs. [Col.]

2576.—**Ruszkowski, J.** Les mouches à scie nouvelles pour la faune de la Grande Pologne. [In Polish.] Polsk. Pismo ent., Lemberg **4** 1925 pp. 14–18. [Hym.]

2577.—**Ruzsky, M. D.** Contribution à la faune myrmécologique de la Sibérie [In Russian]. Rev. russe Ent., Leningrad **19** 1925 pp. 41–46. [Hym.]

2578.—**Sabransky, H.** Entomologisch-faunistiche Beiträge. Mitt. natw. Ver. Steierm., Graz **52** 1916 pp. 245–251. [Orth., Neur., Hem., Col.]

2579.—**Sack, P.** Die Zweiflügler des Urwaldes von Bialowies. Abh. math-naturw. Abt. bayer. Akad. Wiss. Suppl.-Bd. [5] (Beitr. Natur- u. Kulturgesch. Lithauens) Munich 1925 pp. 259–277. [Dipt.]

2580.—**Safford, W. E.** Ant acacias and acacia ants of Mexico and Central America. Ann. Rept. Smithsonian Inst. **1921,** Washington 1923 pp. 381–394 15 pls. 7 figs. [Hym.]

2581.—**Sagarra, I. de.** Una nova espècie del Gènere *Coscinia* Hb. (Lep. Het.). Butll. Inst. catalana Hist. nat., Barcelona (2) **4** 1924 pp. 195–197.

2582.—**Sagarra, I. de.** Noves formes de Lepidòpters Iberics. Butll. Inst. catalana Hist. nat., Barcelona (2) **4** 1924 pp. 198–204.

2583.—**Sagarra, I. de.** Anotaciones a la Lepidopterologia ibèrica. Butll. Inst. catalana Hist. nat., Barcelona (2) **5** 1925 pp. 45–49.

2584.—**Sagarra, I. de.** De Lepidopterologia Cataluna. Concepte actual de la nostra fauna. Butll. Inst. catalana Hist. nat., Barcelona (2) **5** 1925 pp. 200–206 3 figs.

2585.—**Sakaguchi, S.** Butterflies of the Island of Okinawa. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 258–260; **27** 1923 pp. 338–340 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 pp. (106), (109).) [Lep.]

2586.—**Salfi, M.** Studi sulla ortotterofauna italiana I. Il genere *Rhacocleis* Fieber 1853 (Phasgonuridae, Decticinae). Mon. zool. ital., Florence **35** 2 1924 pp. 43–47. [Orth.]

2587.—**Salfi, M.** Richerche sull' epitelio del mesointestino di *Locusta danica,* L. Boll. Soc. Nat. Napoli **35** (1923) 1924 pp. 143–150. [Orth.]

2588.—**Salfi, M.** Sulla geonemia delle specie del genere *Chrysochraon,* Fisch. (Orthoptera-Locustidae). Boll. Soc. Nat. Napoli **35** (1923) 1924 pp. 196–198.

2589.—**Salfi, M.** Osservazioni sulla ecologia di alcune specie di Locustidae et Phasgonuridae. Boll. Soc. Nat. Napoli **36** 1925 pp. 129–152 7 figs. [Orth.]

2590.—**Salfi, M.** Contribuzioni alla conoscenza degli Ortotteri—I. Locustidae marmarici. Boll. Soc. Nat. Napoli **36** 1925 pp. 288–304 1 pl. [Orth.]

2591.—**Salfi, M.** Ortotteri raccolti dal Capitano G. Chierchia nel viaggio di circumnavigazione della R. Corvetta "Vettor Pisani" negli anni 1882–1885. Ann. Mus. zool. R. Univ. Napoli N.S. **5** no. 10 1925 3 pp. 1 pl. [Orth.]

2592.—**Šámal, J.** The nymphs of Ephemeridae from Czechoslovakia. Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 42–45 1 fig.

2593.—**Šámal, J.** *Ascalaphus libelluloides* Schäffer (= *coccajus* Schiff.) (Neuroptera, Planipennia). Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 82–84.

2594.—**Sandhouse, G. A.** Canadian Bees of the genus *Osmia.* Canad. Ent., Orillia **57** 1925 pp. 33–41, 60–65. [Hym.]

2595.—**Santschi, F.** L'orientation sidérale des fourmis, et quelques considérations sur leurs différentes possibilités d'orientation. Mém. Soc. vaud. Sci. nat., Lausanne **1** 1924 pp. 137–175 4 figs. [Hym.]

2596.—**Santschi, F.** Revision des *Myrmicaria* d'Afrique. Ann. Soc. ent. Belg., Brussels **64** 1924 pp. 133–176 2 figs. [Hym.]

2597.—**Santschi, F.** Revue des fourmis du genre *Brachymyrmex* Mayr. An. Mus. nac. Hist. nat. Buenos Aires **31** 1924 pp. 350–378 3 pls. [Hym.]

2598.—**Santschi, F.** Contribution à la faune myrmecologique de la Chine. Bull. Soc. vaud. Sci. nat., Lausanne **56** 1925 pp. 81–96 4 figs. [Hym.]

2599.—**Santschi, F.** Revision du genre *Acromyrmex* Mayr. Rev. suisse Zool., Geneva **31** 1925 pp. 355–398 2 figs. [Hym.]

2600.—Santschi, F. Nouveaux Formicides brésiliens et autres. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 221–247. [Hym.]

2601.—Santschi, F. Fourmis d'Espagne et autres espèces paléarctiques (Hymenopt.). Eos, Madrid **1** 1925 pp. 339–360 3 figs.

2602.—Sarasin, F. & **Roux,** J. [Insekten.] Nova Caledonia, Berlin, A Zool. **4** 1925 pp. 74–90, 153–159.

2603.—Sato, K. & **Brecher,** L. Kann Dopa oder Tyrosin das Chromogen bei Wirbeltieren abgeben? (Zugleich: Ursachen tierischer Farbkleidung. X.) Arch. mikr. Anat., Berlin **104** 1925 pp. 649–658. [Lep.]

2604.—Satterthwait, A. F. Two new species of *Calendra* (Col., Curculionidae). Ent. News, Philadelphia **36** 1925 pp. 269–271.

2605.—Saunders, L. G. On the life history, morphology and systematic position of *Apelma* Kieff. and *Thyridomyia* n.g. (Diptera, Nemat. Ceratopogoninae). Parasitology, Cambridge **17** 1925 pp. 252–277 9 figs. 1 pl.

2606.—Saunt, J. W. Some Warwickshire Tenthredinidae, Siricidae etc. (Sawflies). Ent. Rec., London **37** 1925 pp. 93–95, 162–163, 173–174. [Hym.]

2607.—Savin, W. M. The social wasps—*Polistes* and *Vespa*. Nat. Hist., New York **25** 1925 pp. 81–86 7 figs. [Hym.]

2608.—Savin, W. M. A remarkable partnership, between the Spanish bayonet and the Yucca moth. Nat. Hist., New York **25** 1925 pp. 276–281 6 photos. [Lep.]

2609.—Sčegoleva-Barovskaja, T. I. Notice sur l'organisation anatomique d'une chenille termitophile (Lepidoptera). [In Russian.] Ann. Mus. zool. Acad. Sci., Leningrad **25** (1924) 1925 pp. 116–124.

2610.—Schade, F. Entomologische Skizzen aus Paraguay I. Saturniden. Ent. Rdsch., Stuttgart **42** 1925 pp. 32, 33–35. (Lep.]

2611.—Schaefer, H. Beiträge zur Hamburger Schmetterlingsfauna. Intern. ent. Zs., Guben **19** 1925 pp. 1–7, 261–263. [Lep.]

2612.—Schaeffer, C. Revision of the New World species of the tribe Donaciini of the Coleopterous family Chrysomelidae. Brooklyn Mus. Sci. Bull. **3** 1925 165 pp. 5 pls. [Col.]

2613.—Schafferna, K. Notes sur la présence de *Torleya belgica* Lestage (Ephémère) dans la Mitteleuropa. Ann. Biol. lacustre, Brussels **13** (1924) 1925 pp. 221–226 3 figs. [Ephem.]

2614.—Schander, R. & **Meyer,** R. Untersuchungen über die Fritfliege. Arch. Natg., Berlin **90** (1924) 1925 Abt. A Heft 12 pp. 12–87 12 figs. [Dipt.]

2615.—Schatzmayr, A. Le *Nacerda* italiane (Col. Oedemer.) con osservazioni sulle altre specie europee. Tabella I. (Parte I.) Boll. Soc. ent. ital., Genoa **57** 1925 pp. 34–40.

2616.—Schatzmayr, A. Gli Apionini italiani. Mem. Soc. ent. ital., Genoa **4** 1925 pp. 5–112. [Col.]

2617.—Schauberger, E. Zwei neue paläarktische Carabiciden. Ent. Anz., Vienna **5** 1925 pp. 19–21, 26–27. [Col.]

2618.—Schaus, W. Two new Saturniids from South America (Lepid.). Ent. News, Philadelphia **36** 1925 pp. 25–26.

2619.—Schaus, W. New species of Epipaschiinae in the Carnegie and National Museums. Ann. Carnegie Mus., Pittsburg **16** 1925 pp. 9–48 4 pls. [Lep.]

Schaus, W. *see* Holland & Schaus.

2620.—Schawerda, K. Neue Formen aus meiner Sammlung. Zs. österr. Ent.-Ver., Vienna **4** 1919 pp. 31–32 1 fig. 67–68; **6** 1921 p. 2; **7** 1922 p. 19. [Lep.]

2621.—Schawerda, K. Lepidopterenausbeute aus der Gegend von Lovrana und vom Monte Maggiore. Zs. österr. Ent.-Ver., Vienna **5** 1920 pp. 10–11, 20–21, 28–29, 36, 43.

2622.—Schawerda, K. Ussuriensia. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 10–11. [Lep.]

2623.—Schawerda, K. Neue und interessante Lepidopterenformen. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 44–48 5 figs.

2624.—Schawerda, K. Ueber *Baptria tibiale* Esp. und eine neue Form. Mitt. münchn. ent. Ges. Munich **10** 1920 pp. 31–33, figs. [Lep.]

2625.—Schawerda, K. Zwei Rassen von *Mamestra serratilinea* Tr. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 68-70 3 figs. [Lep.]

2626.—Schawerda, K. Neue Abarten von *Agrotis haverkampfi* Standfuss. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 113–115. [Lep.]

2627.—Scheerpeltz, O. Ueber die subanophthalmen und anophthalmen Arten der Gattung *Xantholinus* Serv. (Col. Staphylinidae) nebst Bemerkungen über die Reduktion des Auges bei Staphyliniden. (2. Beitrag zur Kenntnis der paläarktischen Staphylinidenfauna.) Wiener ent. Ztg., Vienna **42** 1925 pp. 1–17.

2628.—Scheerpeltz, O. Die mitteleuropäischen und mediterranen Arten der Gattung *Domene* Fauvel (Col. Staphylinidae). (4. Beitrag zur Kenntnis der paläarktischen Staphylinidenfauna.) Koleopt. Rundsch., Vienna **11** 1925 pp. 77–130 26 figs.

2629.—Scheerpeltz, O. Ueber die Aufstellung meiner Staphyliniden-Spezialsammlung. Ein Beitrag zur Lösing einiger Sammlungstechnischer Probleme. Ent. Anz., Vienna **5** 1925 pp. 11–14, 17–19, 25–26. [Col.]

2630.—Scheerpeltz, O. Der Reichert' sche Stereoaufsatz als entomologisches Universal instrument. Ent. Anz., Vienna **5** 1925 pp. 153–156, 161–164, 172–175, 177–182, 6 figs.

2631.—Scheerpeltz, O. Ein neuer *Xantholinus* aus Spanien (Col. Staphyl.). (3. Beitrag zur Kenntnis der paläarktischen Staphylinidenfauna.) Eos, Madrid **1** 1925 pp. 85–91 1 fig.

2632.—Scheffner, J. Die Schmetterlinge aus der Umgebung von Olchowa. Soc. ent., Stuttgart **40** 1925 pp. 38–39, 41–42. [Lep.]

2633.—Schenkling, S. Elateridae I. Coleopterorum Catalogus, Berlin, Junk **80** 1925 pp. 1–263.

2634.—Schenkling, S. Ueber einige Coleopteren-Typen von C. P. Thunberg. Ent. Tidskr., Stockholm **46** 1925 pp. 202–203.

2635.—Schepp, O. Zuchtergebnisse. Ent. Zs., Frankfort on M. **38** 1924 pp. 46–47. [Lep.]

2636.—Schepp, O. Nochmals zur Präparation der Falter u.s.w. Intern. ent. Zs., Guben **19** 1925 pp. 76–77. [Lep.]

2637.—Schepp, O. Ein Massengrab auf den Wellen. Intern. ent. Zs., Guben **19** 1925 pp. 243–244. [Lep.]

2638.—Schilder, F. A. Les *Trigonodera* de l'Afrique. Echange, Moulins **39** 1924 hors-texte pp. 1–2. [Col.]

2639.—Schilder, F. A. Rhipiphoriden-Studien. vii. Monographie des Genus *Ptilophorus* Dejean (1833). D. ent. Zs., Berlin **1925** pp. 129–146. [Col.]

2640.—Schilsky, J. Praktische Winke für Käfersammler. Ent. Jahrb., Leipzig **3** 1894 pp. 195–209. [Col.]

2641.—Schirber, E. Sur un *Lasiocampa quercus* L. hermaphrodite. Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925 p. 218. [Lep.]

2642.—Schjelderup-Ebbe, T. Aufmerksamkeit bei Mücken und Fliegen. Zs. Psychol., Leipzig **93** 1923 pp. 281–282. [Dipt.]

2643.—Schjelderup-Ebbe, T. Beobachtungen an *Gryllus campestris.* Ent. Zs., Frankfort on M. **38** 1924 p. 31. [Orth.]

2644.—Schjelderup-Ebbe, T. Aufmerksamkeit bei Mücken und Fliegen. Ent. Zs., Frankfort on M. **38** 1924 pp. 31–32. [Dipt.]

2645.—Schjelderup-Ebbe, T. Biologische Eigentümlichkeiten bei Insekten. Ent. Zs., Frankfort on M. **38** 1924 pp. 41–42.

2646.—Schjelderup-Ebbe, T. Schaukeln bei Mücken. Ent. Zs., Frankfort on M. **38** 1924 p. 52. [Dipt.]

2647.—Schjelderup-Ebbe, T. Aus der Biologie verschiedner Käferarten. Ent. Zs., Frankfort on M. **38** 1924 pp. 97–98, 103–104. [Col.]

2648.—Schjelderup-Ebbe, T. Aufmerksamkeit bei Käfern. Ent. Zs., Frankfort on M. **39** 1925 pp. 93–94. [Col.]

2649.—Schjelderup-Ebbe, T. Biologie von *Geotrupes.* Ent. Zs., Frankfort on M. **39** 1925 pp. 97–98. [Col.]

2650.—Schkaff, B. Description d'une nouvelle espèce de *Stylops* (Strepsipt.). Bull. Soc. ent. France, Paris **1925** pp. 139–140 2 figs. [Col.]

2651.—Schkaff, B. Fourmis de Macédoine récoltées par le professeur J. Komarek. Bull. Soc. ent. France, Paris **1925** pp. 273–276. [Hym.]

Schkaff *see* Škaff.

2652.—Schleicher, H. Ueber die Lebensweise von *Hypocaccus metallicus* Herbst (Col. Hist.). Ent. Anz., Vienna **5** 1925 pp. 33–35.

2653.—Schlick, K. W. Ueber die Eiablage der Canthariden. Ent. Bl., Berlin **21** 1925 pp. 30–31. [Col.]

2654.—Schmidt, A. Beitrag zur Kenntnis der Gattungen *Canthon* Hffsg., *Sybax* Boh., *Aphodius* Ill., *Simogenius* Har., *Ataenius* Har. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 9 pp. 114–147 2 figs. [Col.]

2655.—Schmidt, A. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913. 43. Scarabaeidae. Subfam. Aphodiinae. Ark. Zool., Stockholm **17A** no. 18 1925 pp. 1–3. [Col.]

2656.—Schmidt, E. Verbesserungen zum Artikel E. Schmidt "Neue Zikaden-Gattungen und Arten", Ent. Mitt. 13 p. 285. Ent. Mitt., Berlin **14** 1925 p. 112. [Hom.]

2657.—Schmidt, E. *Paracercopis*, eine neue Cercopidengattung. Soc. ent., Stuttgart **40** 1925 p. 4. [Hom.]

2658.—Schmidt, E. Drei neue Arten des Membraciden-Genus *Sarantus* Stål. Soc. ent., Stuttgart **40** 1925 pp. 15–16. [Hom.]

2659.—Schmidt, E. Fünf neue Zikadenarten. Soc. ent., Stuttgart **40** 1925 pp. 35–36, 39–40. [Hom.]

2660.—Schmidt, E. Zwei neue Singcicaden von der Insel Sumba. Soc. ent., Stuttgart **40** 1925 pp. 42–43. [Hom.]

2661.—Schmidt, M. Die amerikanischen Callichrominen (Col. Ceramb.) nach systematischen und phylogenetischen Gesichtspunkten dargestellt. D. ent. Zs., Berlin **1924** pp. 297–321, 377–396.

2662.—Schmidt, M. Die Maikäfer in Deutschland. Mitteilungen über Flugjahre und Entwicklungsdauer. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **14** 1925 pp. 1–76 1 map. [Col.]

2663.—Schmiedeknecht, O. Opuscula Ichneumonologica. Blankenburg i Thür., 1925 Fasc. **39** pp. 3043–3122; **40** pp. 3123–3202; **41** pp. 3203–3282. [Hym.]

2664.—Schmitz, H. Europäische Phoriden des Ungarischen National-Museums. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 79–86. [Dipt.]

2665.—Schmitz, H. Sumatranische Insekten. (Beitrag III.) Ent. Mitt., Berlin **14** 1925 pp. 58–62 3 figs. [Dipt.

2666.—Schmitz, H. Neue Gattungen und Arten europaeische Phoriden. Encyc. ent., Sér. B II. Dipt. **2** 1925 pp. 73–85 2 figs. [Dipt.]

2667.—Schmitz, H. & **Mjöberg,** E. Zwei neue myrmekophile Phoriden von Borneo (Diptera). Zool. Anz., Leipzig **65** 1925 pp. 41–48 4 figs.

2668.—Schmutz, K. Zur Kenntnis der Thysanopterenfauna von Ceylon. Sitzungsber. Akad. Wiss., Vienna **122** 1913 pp. 991–1089 6 pls.

2669.—Schneider-Orelli, O. & **Leuzinger,** H. Vergleichende Untersuchungen zur Reblausfrage. Vierteljahrsch. natf. Ges., Zurich **69** 1924 Beibl. no. 5 pp. 1–50 1 pl. 13 figs. [Hom.]

2670.—Schnell, —. Aus dem Leben der Rüsselkäfer. Ent. Zs., Frankfort on M. **39** 1925 pp. 21–22, 26–27, 31–32, 34–36. [Col.]

2671.—Schoenemund, E. Zur Kenntnis der Ephemeriden- und Plekopteren-Fauna von Unterfranken. Verh. physik.-med. Ges. Würzburg **49** 1924 pp. 242–248.

2672.—Schoenemund, E. Beiträge zur Biologie der Plecopteren-Larven mit besonderer Berücksichtigung der Atmung. Arch. Hydrobiol., Stuttgart **15** 1924 pp. 339–369.

2673.—Schoenemund, E. Die Larven der deutschen *Perla*-Arten (Plecoptera). Ent. Mitt., Berlin **14** 1925 pp. 113–121 6 figs.

2674.—**Schoenemund,** E. Zur Nomenklatur der *Perla*-Arten. Was ist *Perla maxima* Scopoli? N. Beitr. syst. Insektenk., Berlin **3** 1925 pp. 49–57. [Plecop.]

2675.—**Schönfeld,** P. Von dem Vermögen des Biens, seine eigenen Glieder zu erkennen. Ent. Jahrb., Leipzig **3** 1894 pp. 238–243. [Hym.]

2676.—**Schott,** F. M. Notes on Lepidoptera and Hymenoptera. J. New York Ent. Soc. **33** 1925 pp. 53–56.

Schroeder, J. D. *see* Rathje & Schroeder.

2677.—**Schrottky,** C. As especies brazileiras do genero *Megachile.* Supplemento ao "Ensai sobre as Abelhas Solitarias do Brazil." Rev. Mus., São Paulo **9** 1914 pp. 134–223 6 figs. [Hym.]

2678.—**Schrottky,** C. Les abeilles du genre *Ancyloscelis.* Rev. Mus., São Paulo **12** 1920 Part II pp. 151–176. [Hym.]

2679.—**Schrottky,** C. Himenopteros nuevos o poco conocidos sudamericanos. Rev. Mus., São Paulo **12** 1920 Part II pp. 177–227.

2680.—**Schulthess,** A. v. Hymenoptera VI: Vespidae. Beitr. Kennt. Fauna Deutsch-Südwestafrikas, Hamburg **2** 1923 pp. 105–132.

2681.—**Schulthess,** A. v. Beitrag zur Kenntnis der Gattung *Alastor* Lep. (Hym. Vesp.). Konowia, Vienna **4** 1925 pp. 57–65, 195–209, 257–263 9 figs.

2682.—**Schulthess,** A. v. *Oxybelus* (Hym. Crabronidae) nova species. Konowia, Vienna **4** 1925 pp. 187–188.

2683.—**Schulthess,** A. v. Nochmals südafrikanische *Alastor* (Hym. Vesp.). Konowia, Vienna **4** 1925 pp. 310–312.

2684.—**Schultz,** V. G. M. Ein neues Duftorgan bei einer männlichen *Agrotis*-Art. Mitt. münchn. ent. Ges., Munich **13** 1923 pp. 21–22. [Lep.]

2685.—**Schultz,** V. G. M. Gelbe und grüne Eier bei *Angerona prunaria* L. Intern. ent. Zs., Guben **18** 1925 pp. 263–264. [Lep]

2686.—**Schultz,** V. G. M. Qualitäts- und Präparations-frage. Intern. ent. Zs., Guben **19** 1925 pp. 30–32 4 figs. [Lep.]

2687.—**Schultz,** V. G. M. Wo legt *Mamestra persicariae* ihre Eier ab? Intern. ent. Zs., Guben **19** 1925 pp. 217–219. [Lep.]

2688.—**Schultze,** W. A monograph of the Pachyrrhynchid group of the Brachyderinae, Curculionidae: Part III. The genera *Apocyrtidius* Heller and *Metapocyrtus* Heller. Philipp. J. Sci., Manila **26** 1925 pp. 131–309 12 pls. [Col.]

2689.—**Schultze,** W. *Macroxenos piercei* (Order Strepsiptera), a new genus and species of wasp parasites of the Philippine Islands. Philipp. J. Sci., Manila **27** 1925 pp. 235–239 1 pl. [Col.]

2690.—**Schultze,** W. New and rare Philippine Lepidoptera. Philipp. J. Sci., Manila **28** 1925 pp. 567–574 2 pls. 1 fig.

2691.—**Schulz,** K. T. Zur Kenntnis des Apfelbaumschädlings *Anthonomus pomorum* L. Zool. Jahrb., Jena Abt. f. Syst. **48** 1924 pp. 217–298 1 pl. 14 figs. [Col.]

2692.—**Schulze,** H. Zur Biologie der Blattwespenlarve *Lyda clypeata* Klug. Zool. Anz., Leipzig **63** 1925 pp. 13–32, 81–89, 4 figs. [Hym.]

2693.—**Schulze,** R. Ueber Mycetophilidenlarven. Zool. Jahrb., Jena Abt. f. Syst. **48** 1924 pp. 433–462 14 figs. [Dipt.]

2694.—**Schumann,** E. Ueber künstliche Erzeugung von Aberrationen bei Schmetterlingen durch Anwendung von Narkose. Jahresheft Ver. schles. Insektenk., Breslau **14** 1924 pp. 86–87.

2695.—**Schuster,** A. Neue Tenebrioniden aus der Cyrenaica. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 25–31. [Col.]

2696.—**Schuster,** A. Zwei neue Helopini aus Libien (Coleopt.). Boll. Soc. ent. ital., Genoa **57** 1925 pp. 88–90.

2697.—**Schuster von Forstner,** W. Die Schlangenaugen der Schwärmerraupen. Intern. ent. Zs., Guben **19** 1925 pp. 157–158. [Lep.]

2698.—**Schuster von Forstner,** W. Januar 1925 der wärmste seit Existenz der rezenten Menschheit und seine Folgen im Insektenreich. Intern. ent. Zs., Guben **19** 1925 pp. 161–162.

2699.—Schuster von Forstner, W. Die letzte Warmwinter 1924–25 und seine Einwirkung auf Kerbtiere. Intern. ent. Zs., Guben **19** 1925 p. 221.

2700.—Schuster von Forstner, W. Blaublindheit der Vögel und blaue Schmetterlinge und Käfer. Intern. ent. Zs., Guben **19** 1925 pp. 241–242. [Lep. & Col.]

2701.—Schuurmans Stekhoven, Jr., J. H. & **Schuurmans Stekhoven-Meyer,** A. W. Een onderzoek naar de in Noord-Soemedang voorkomende anophelinen, haar larven en de verdeeling der soorten over de verschillende broedplaatsen. Geneesk. Tijdschr. Ned.-Indië, Batavia **62** 1922 pp. 442–473 1 plate. [Dipt.]

2702.—Schwanwitsch, B. N. On a remarkable dislocation of the components of the wing-pattern in the Satyrid genus *Pierella.* Entomologist, London **58** 1925 pp. 266–269, 6 figs.

2703.—Schwartz, R. L. Some hitherto undescribed habits of *Meskea dyspteraria* Grote. Psyche, Boston **32** 1925 pp. 70–74 2 figs. [Lep.]

2704.—Schwarzer, B. Neue Cerambyciden aus New-Guinea. Nova Guinea, Leyden **15** 1924 pp. 57–60. [Col.]

2705.—Schwarzer, B. Beiträge zur Kenntnis der Cerambyciden (Col.). Senckenbergiana, Frankfort on M. **7** 1925 pp. 81–82.

2706.—Schwarzer, B. Sauters Formosa-Ausbeute (Cerambycidae. Col.). Ent. Bl., Berlin **21** 1925 pp. 20–30, 58–68, 145–154.

2707.—Schwingenschuss, L. & **Wagner,** F. Beitrag zur Macro-Lepidopteren-Fauna Süddalmatiens insbesondere der Umgebung Gravosa's. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 53–57, 66–71, 78–82, 116–119, 1 fig.

2708.—Sciacchitano, I. Quando si forma la Dopa nei bozzoli di *Lophyrus pini* L. Arch. mikr. Anat., Berlin **104** 1925 pp. 664–666. [Hym.]

2709.—Scott, E., **Twigg,** H. J. R., **Seth-Smith,** D. W. Butterflies at Cortina in June 1924. Ent. Rec., London **37** 1925 pp. 81–85. [Lep.]

2710.—Scott, H. Some malformations of the aedoeagus and cases of probable parasitic castration in Coleoptera of the family Anobiidae. Parasitology, Cambridge **17** 1925 pp. 176–186 6 figs.

2711.—Scott, H. Records of Coleoptera at light and in houses. Ent. Mo. Mag., London **61** 1925 pp. 113–115.

2712.—Scott, H. Note on the nesting-habits and prey of two British species of Crabronidae. Ent. Mo. Mag., London **61** 1925 pp. 156–160. [Hym.]

2713.—Scott, H. Zoo-geographical and systematic notes on the Nycteribiidae (Diptera Pupipara) of India, Ceylon and Burma. Rec. Ind. Mus., Calcutta **27** 1925 pp. 351–384 12 figs.

2714.—Scott, H. Note on the occurrence of *Lyctus villosus* Lesne in the Hawaiian Islands (Coleoptera, Lyctidae). Proc. Hawaiian Ent. Soc., Honolulu **6** 1925 pp. 213–214.

2715.—Seabra, A. F. de. Sinópse dos Hemípteros Heterópteros de Portugal. Mem. Estud. Mus. zool. Univ. Coimbra ser. I. no. **1** 1924–25 pp. 1–48, 49–67 175 figs.

2716.—Seabra, A. F. de. Observações sôbre algumas espécies raras ou pouco conhecidas de Hemípteros Heterópteros de Portugal. Mem. Estud. Mus. zool. Univ. Coimbra ser. I. no. **2** 1924 19 pp. 34 figs.

2717.—Seabra, A. F. de. Observations sur quelques modalités particulières du *Carpocoris fuscispinus* (Boh.) du Portugal. Mem. Estud. Mus. zool. Univ. Coimbra ser. I. no. **4** 1925 pp. 7–11 4 figs. [Hem.]

2718.—Seabra, A. F. de. Observações sôbre a classificação de algumas espécies de Hemípteros Heterópteros de Portugal. Mem. Estud. Mus. zool. Univ. Coimbra ser. I. no. **5** 1925 pp. 5–42 42 figs.

2719.—Seabra, A. F. de & **Dos Santos Hall,** F. A. Contributions pour l'histoire naturelle des *Tortrix* du chêne-vert a l'Alentejo. Mem. Estud. Mus. zool. Univ. Coimbra ser. II no. **1** 1924 45 pp. 7 pls. [Lep.]

2720.—Seamans, H. L. Notes on the genus *Copablepharon* (Harvey) in Alberta. Canad. Ent., Orillia **57** 1925 pp. 287–290. [Lep.]

2721.—Searle, J. Life history of midges (Chironomidae). Vict. Nat., Melbourne **42** 1925 pp. 23–24. [Dipt.]

2722.—**Séguy,** E. Faune de France 12. Diptères (Nématocères piqueurs: Ptychopteridae, Orphnephilidae, Simuliidae, Culicidae, Psychodidae Phlebotominae). Paris 1925 109 pp. 179 figs.

2723.—**Séguy,** E. Notes sur les moustiques. I & II. Encyc. ent. Sér. B. II. Dipt. **1** Paris 1925 pp. 120 & 157–158. [Dipt.]

2724.—**Séguy,** E. Etudes sur les Anthomyides. Encyc. ent. Sér. B. II. Dipt. **1** Paris 1925 pp. 125–136 10 figs., & 159–164. [Dipt.]

2725.—**Séguy,** E. Description d'un nouveau *Simulium.* Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 p. 6. [Dipt.]

2726.—**Séguy,** E. Notes sur les moustiques de l'Afrique mineure, de l'Egypte et de la Syrie. I. Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 pp. 13–21 22 figs. [Dipt.]

2727.—**Séguy,** E. Description d'un nouveau *Paraptychoptera.* Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 p. 22. [Dipt.]

2728.—**Séguy,** E. Notes synonymiques sur les *Onesia* et les *Calliphora.* Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 pp. 85–86. [Dipt.]

2729.—**Séguy,** E. Sur les *Lucilia* et les *Chrysomyia* de Macquart et de Robineau-Desvoidy, II. Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 pp. 93–94. [Dipt.]

2730.—**Séguy,** E. Etudes sur les Anthomyides. Encyc. ent. Sér. B. II. Dipt. **2,** Paris 1925 pp. 99–102. [Dipt.]

2731.—**Séguy,** E. Sur un nouveau *Simulium* et synopsis des femelles des espèces du 2e groupe. Bull. Soc. ent. France, Paris **1925** pp. 107–109. [Dipt.]

2732.—**Séguy,** E. Description de quatre Calliphorines nouveaux (Dipt.). Bull. Soc. ent. France, Paris **1925** pp. 303–304.

2733.—**Séguy,** E. Etudes sur quelques Muscides exotiques à larves parasites. Bull. Soc. Path. exot., Paris **18** 1925 pp. 732–735. [Dipt.]

2734.—**Séguy,** E. Sur les caractères communs aux Oestrides et aux Calliphorines. C.R. Acad. sci., Paris **181** 1925 pp. 735–736. [Dipt.]

2735.—**Séguy,** E. Description d'un nouveau *Simulium* et synopsis des espèces méditerranéennes (Dipt. Simul.). Eos, Madrid **1** 1925 pp. 231–238.

2736.—**Seidel,** J. Zur Kenntnis der Blattminen der Kreise Reichenbach und Frankenstein in Schlesien. Jahresheft Ver. schles. Insektenk., Breslau **14** 1924 pp. 62–85 2 pls.

2737.—**Seiler,** J. Zytologische Vererbungsstudien an Schmetterlingen: ein Beitrag zur Faktorenaustausch (Crossing-over-Theorie). Zs. indukt. Abstammgslehre, Berlin **27** 1922 pp. 251–253. [Lep., Dipt.]

2738.—**Seiler,** J. & **Haniel,** C. B. Das verschiedene Verhalten der Chromosomen in Eireifung und Samenreifung von *Lymantria monacha* L. Zs. indukt. Abstammgslehre, Berlin **27** 1922 pp. 81–103 2 pls. 6 figs. 1 table. [Lep.]

2739.—**Seitner,** M. & **Nötzl,** P. *Pityophthorus henscheli* Seitner und sein Parasit *Cosmophorus henscheli* Ruschka. Zs. angew. Ent., Berlin **11** 1925 pp. 187–196 1 pl. [Hym.]

2740.—**Seitz,** A. Ueber den Umfang der Sammel-Ausbeuten. Ent. Rdsch., Stuttgart **42** 1925 pp. 13–14.

2741.—**Seitz,** A. Das System der Schmetterlinge. Ent. Rdsch., Stuttgart **42** 1925 pp. 18–20, 21–23, 29–31, 35–36, 38–40, 43–44, 46–48. [Lep.]

2742.—**Seitz,** A. Die Grossschmetterlinge der Erde. Fauna Americana. **6** 1924–25 pp. 417–528; **7** 1924–25 p. 93–204; *see* **Seitz, Draudt, Hering.**

2743.—**Seitz,** A. Arctiidae. *In* Seitz Gross-schmett. **6** 1924 pp. 417–424, 1925 pp. 469–500. [Lep.]

Seitz, A. *see* Andres & Seitz.

2744.—**Semichon,** L. L'état larvaire de *Melecta armata* Panzer (Hym. Apidae). Bull. Soc. ent. France, Paris **1925** pp. 305–306.

2745.—**Sen,** S. K. Observations on the bionomics of *Aëdes* (*Stegomyia*) *albopicta,* Skuse. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 215–225. [Dipt.]

2746.—**Senior-White,** R. Recent progress in our knowledge of Indian Diptera. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 325–329.

2747.—Senior-White, R. A revision of the subfamily Rhiniinae in the Oriental region. Rec. Ind. Mus., Calcutta **27** 1925 pp. 81–96 6 pls. [Dipt.]

2748.—Senior-White, R. New Ceylon Diptera, Part IV. Spolia Zeylanica, Colombo **13** 1925 pp. 209–212 1 pl.

2749.—Senior-White, R. Notes on Ceylon mosquitoes, I. Spolia Zeylanica, Colombo **13** 1925 pp. 213–222 2 pls. [Dipt.]

Seth-Smith, D. W. *see* Scott, Twigg & Seth-Smith.

2750.—Seurat, L. G. Observations sur les limites, les faciès et les associations animales de l'étage intercotidal de la petite Syrte (Golfe de Gabés). Bull. Stat. océan. Salammbô, Tunis **3** 1924 pp. 1–72 4 figs. 1 map.

2751.—Shannon, R. C. An extraordinary adult myrmecophile from Panama. J. Washington Acad. Sci. **15** 1925 pp. 211–213.

2752.—Shannon, R. C. Some American Syrphidae (Diptera). Proc. Ent. Soc. Washington **27** 1925 pp. 107–112.

2753.—Shannon, R. C. A note on the distribution and synonymy of a myiasis-producing fly. Proc. Ent. Soc. Washington **27** 1925 p. 196. [Dipt.]

2754.—Shannon, R. C. The Syrphid-flies of the subfamily Ceriodinae in the U.S. National Museum collection. Insec. Insc. Menstr., Washington **13** 1925 pp. 48–65. [Dipt.]

2755.—Shannon, R. C. North American *Sphecomyia* (Diptera, Syrphidae). Pan-Pacific Ent., S. Francisco **2** 1925 pp. 43–44.

Shannon, R. C. *see* Dyar & Shannon.

2756.—Shaw, A. E. New genera and species (mostly Australasian) of Blattidae, with notes, and some remarks on Tepper's types. Proc. Linn. Soc. N.S.W., Sydney **50** 1925 pp. 171–213 33 figs. [Orth.]

2757.—Sheldon, W. G. Notes on the series of *Peronea cristana* in the Dale collection and on the type specimen of ab. *gumpinana* Johnson, included therein. Entomologist, London **58** 1925 pp. 2–3. [Lep.]

2758.—Sheldon, W. G. *Epiblema cnicicolana*, Zeller, as a British species. Entomologist, London **58** 1925 pp. 73–76 6 figs. [Lep.]

2759.—Sheldon, W. G. The destruction of British butterflies: a suggested remedy. Entomologist, London **58** 1925 pp. 105–112. [Lep.]

2760.—Sheldon, W. G. A committee for the protection of British Lepidoptera. Entomologist, London **58** 1925 pp. 153–154.

2761.—Sheldon, W. G. The early stages of *Eriopsela quadrana* Hüb. Entomologist, London **58** 1925 pp. 233–234. [Lep.]

2762.—Sheldon, W. G. *Peronea comariana* Zeller, and its variation. Entomologist, London **58** 1925 pp. 281–285. [Lep.]

2763.—Sheljuzhko, L. Neue *Parnassius*-Formen. Zs. österr. Ent.-Ver., Vienna **9** 1924 pp. 57–60, 67–71; **10** 1925 pp. 85–89. [Lep.]

2764.—Sheljuzhko, L. Neue Erebien aus Siberien. Ent. Anz., Vienna **5** 1925 pp. 1–3, 9–10. [Lep.]

2765.—Sheljuzhko, L. Neue Pieriden-Formen. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 96–97. [Lep.]

2766.—Sherman, F. Progress on State insect survey with comparative data on other animal groups. J. Elisha Mitchell Sci. Soc., Chapel Hill, N.C. **41** 1925 pp. 129–134.

2767.—Sherman, J. D. Some entomological and other bibliographies. J. New York Ent. Soc. **32** 1924 pp. 206–215.

2768.—Sherman, R. S. Notes on the Mycetophilidae of British Columbia. Proc. Ent. Soc. Br. Columbia, Victoria no. **14** (1919) 1920 pp. 12–15. [Dipt.]

2769.—Sherman, R. S. New species of Mycetophilidae. Proc. Ent. Soc. Br. Columbia, Victoria no. **16** (1920) 1921 pp. 16–21. [Dipt.]

2770.—[Shestakov, A.] Шестаков, А. Brief instructions for the collection of insects. [In Russian.] Soc. oural. Amis Sci. nat., Ekaterinburg 1920 16 pp. 2 figs.

2771.—Shibata, B. Ecological studies on plant lice. Aphididae, I & II. Nôgaku Kwai Hô no. **251** 1923 pp. 13–676 8 diagrs. 18 tables; no. **254** 1924 pp. 1–29 9 diagrs. 4 tables (In Japanese). (Abstract in Jap. J. Zool., Tokyo, **1** 1925 pp. (93)–(94).) [Hom.]

2772.—**Shibata**, B. On the migration of Aphides. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 219–225 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (93).) [Hom.]

2773.—**Shibata**, B. On the morphology of plant lice. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 398–403 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (93).) [Hom.]

2774.—**Shinji**, O. Some new plant lice from the prefectures of Saidama and Iwate. Dobuts. Z. [Zool. Mag.], Tokyo **35** 1923 pp. 301–309 10 figs. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (112).) [Hom.]

2775.—**Shiperovitsh**, V. J. Biologie und Lebenszyklus von *Panorpa communis* L. [In Russian with German summary.] Rev. russe Ent., Leningrad **19** 1925 pp. 27–37 15 figs. [Mecopt.]

2776.—**Shull**, A. F. Sex and the parthenogenetic-bisexual cycle. Amer. Nat., New York **59** 1925 pp. 138–154.

2777.—**Shull**, A. F. The life cycle of *Macrosiphum solanifolii* with special reference to the genetics of colour. Amer. Nat., New York **59** 1925 pp. 289–310. [Hom.]

2778. — **Sicard**, A. Descriptions de Coccinellides appartenant à la Collection de M. Andrewes, de Londres. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 447–449. [Col.]

2779.—**Sich**, A. Review of Mr. Pierce's volume on the genitalia of the Tortricidae. Ent. Rec., London **37** 1925 pp. 49–53, 122–124. [Lep.]

2780. — **Silva Figueroa**, C. La *Macromphala dedecora* y sus parásitos. An. Zool. aplic., Santiago **4** (1917) 1918 pp. 55–79 6 figs. 4 pls. [Hym.]

2781.—**Silvestri**, F. Description of a new genus of myrmecophilous Scarabeidae (Coleoptera) of India. Rec. Ind. Mus., Calcutta **26** 1924 pp. 583–586 3 figs.

2782.—**Silvestri**, F. Entomologische Ergebnisse der schwedischen Kamtchatka-Expedition 1920–1922. 3. Machilidae (Thysanura). [In Latin.] Ark. Zool., Stockholm **17A** no. 35 1925 pp. 1–5 3 figs.

2783.—**Simm**, K. *Phytomyza lateralis* Fallén. Ein Beitrag zur Kenntnis der Morphologie und Biologie. Bull. intern. Acad. polon. sci., Cracow B **1924** 1925 pp. 735–752 2 pls. [Dipt.]

2784.—**Simmons**, P. The ham beetle, *Necrobia rufipes* de Geer. J. Agric. Res., Washington **30** 1925 pp. 845–863 8 tables 2 pls. 1 fig. [Col.]

2785.—**Sinton**, J. A. Notes on some Indian species of the genus *Phlebotomus*. Parts X–XIV. Ind. J. Med. Res., Calcutta **12** 1925 pp. 467–469 1 pl., 701–729, 789–799 1 pl., 801–806; **13** 1925 pp. 97–107 3 pls. [Dipt.]

2786.—**Sinton**, J. A. The Indian rat-fleas, with special reference to the identification of the "plague fleas." Ind. J. Med. Res., Calcutta **12** 1925 pp. 471–478 2 pls. [Siphonap.]

2787.—**Sirotinina**, O. Materialien zur Fauna und Biologie der Wasserwanzen (Rhynchota) der Wolgabassins. [Also in Russian.] Arb. biol. Wolga-Sta., Saratov **5** 1914 pp. 335–367 1 chart.

2788.—**Sitowski**, L. Sur la biologie des parasites de *Lophyrus* Latr. [In Polish with German summary.] Roczniki Nauk Rolniczych i Lesnych, Posen **14** 1925 sep. 25 pp. 3 pls. 5 figs. [Hym.]

2789.—**Sjöstedt**, Y. Odonaten aus China. Ark. Zool., Stockholm **17A** no. 14 1925 pp. 1–5.

2790.—**Sjöstedt**, Y. Neue Termiten aus Afrika und Madagascar. Konowia, Vienna **4** 1925 pp. 53–55. [Isop.]

2791.—**Škaff**, B. Contributions à la faune des fourmis de la Tchécoslovaquie. Časopis českoslov. Společ. ent., Prague **21** (1924) 1925 pp. 109–110. [Hym.]

Škaff *see* Schkaff.

2792.—**Skaife**, S. H. On variation and heredity in the Bruchidae. Trans. R. Soc. S. Africa, Cape Town **12** 1925 pp. 221–242 3 pls. [Col.]

2793.—**Skala**, H. Zwei einzuziehende Aberrationsbezeichnungen. Zs. österr. Ent.-Ver., Vienna **2** 1917 p. 79. [Lep.]

2794.—**Skell**, F. Die männlichen Genital-anhänge unserer einheimischen Sphingiden. Mitt. münchn. ent. Ges., Munich **11** 1921 pp. 74–82 4 pls. [Lep.]

2795.—Skorikov, A. A. Bumble-bees of Petrograd province. [In Russian.] Faunae Petropolitanae Catalogus, Petrograd **2** no. 11 1922 51 pp. 4 maps. [Hym.]

2796.—Smirnov, E. S. Ueber den Bau des männlichen Genitalsystem der Dipteren. Biol. Mitt. Timiriazeff, Moscow 1923 Zool. Lief. 1 pp. 39–56 34 figs. [Dipt.]

2797.—Smirnov, E. Studien an turkestanischen Syrphiden I. (Dipt.). Ent. Mitt., Berlin **14** 1925 pp. 290–297 5 figs.

2798.—Smirnov, E. The theory of type and natural system. Zs. indukt. Abstammgslehre, Berlin **37** 1925 pp. 28–66 3 pls. 1 fig.

2799.—Smith, F. Account of the Zoological Collections made during the visit of H.M.S. "Petrel" to the Galapagos Islands. VIII. Hymenoptera and Diptera. Proc. Zool. Soc. London **1877** pp. 82–84. [Hitherto unrecorded.]

2800.—Smith, K. M. Note on the egg-laying of *Calocoris bipunctatus* Fab. Ent. Mo. Mag., London **61** 1925 pp. 91–92, 1 fig. [Hem.]

2801.—Smith, R. C. The Neuroptera and Mecoptera of Kansas. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 165–171.

2802.—Smith, R. O. A. A note on a simple method of breeding sandflies. Ind. J. Med. Res., Calcutta **12** 1925 pp. 741–742 2 pls. [Dipt.]

2803.—Smith, W. W. Habitat of *Anoura spinosa* Lubbock. N.Z. J. Sci. & Tech., Wellington **7** 1925 p. 373. [Collem.]

2804.—Smreczyński, S. Untersuchungen über die Topographie und den Bau der Kopfdrüsen des Rüsselkäfers *Strophosomus capitatus* Deg. Bull. intern. Acad. polon. Sci., Cracow B **1924** pp. 297–311 1 pl. [Col.]

2805.—Smulyan, M. T. New England sawflies of the genus *Tenthredella* Rohwer. Proc. Boston Soc. Nat. Hist. **36** 1923 pp. 383–464 2 pls. [Hym.]

2806.—Snodgrass, R. E. Anatomy and physiology of the honeybee. London, McGraw-Hill Co. 1925 327 pp. 108 illus. [Hym.]

2807.—Snyder, T. E. Description of winged adult of *Kalotermes approximatus* Snyder (Isoptera). Proc. Ent. Soc. Washington **27** 1925 p. 14.

2808.—Snyder, T. E. A new Cuban termite. Proc. Ent. Soc. Washington **27** 1925 pp. 105–106 2 figs. [Isop.]

2809.—Snyder, T. E. New American termites including a new subgenus. J. Washington Acad. Sci. **15** 1925 pp. 152–162 7 figs. [Isop.]

2810.—Snyder, T. E. A new *Rugitermes* from Panama. J. Washington Acad. Sci. **15** 1925 pp. 197–200 3 figs. [Isop.]

2811.—Snyder, T. E. New termites from the Solomon Islands and Santa Cruz Archipelago. J. Washington Acad. Sci. **15** 1925 pp. 395–407 3 figs. [Isop.]

2812.—Snyder, T. E. The origin of the castes in termites. Proc. Biol. Soc. Washington **38** 1925 pp. 57–67 1 pl. [Isop.]

Snyder, T. E. *see* Cockerell & Snyder.

2813.—Solowiow, P. Neue Arten Blasenfüsse. Ent. Zs., Frankfort on M. **38** 1924 p. 25 1 fig. [Thysanopt.]

2814.—Solowiow, P. Biologische Beobachtungen über Holzläuse (*Atropos pulsatoria* L.). Zool. Jahrb. Jena, Abt. f. Syst. **50** 1925 pp. 270–272. [Psocopt.]

2815.—Sonan, J. Food-plants of the caterpillars of some butterflies in Formosa. Taiwan Hakub. K. [Trans. N.H. Soc. Formosa], Taihoku **12** 1922 pp. 75–86 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (103).) [Lep.]

2816.—Sonan, J. Butterflies of the Okinawa Islands. Taiwan Hakub. K. [Trans. N.H. Soc. Formosa], Taihoku **13** 1923 pp. 77–104 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (104).) [Lep.]

2817.—Sonan, J. On three Ichneumonid flies. [In Japanese.] Trans. Nat. Hist. Soc. Formosa, Taihoku **14** 1924 pp. 93–101. [Hym.]

2818.—Sonan, J. On the sound of female *Oxya vicina* Brunn. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 147–148 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (105).) [Orth.]

2819.—Sonan, J. Orthopterous Insects on Mount Koya. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 374–377 (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (106).)

2820.—Sonan, J. The Nepidae of Japan. Dobuts. Z. [Zool. Mag.], Tokyo **35** 1923 pp. 293–301, 417–422 1 fig. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (112).) [Hem.]

2821.—Sorokina-Agafonowa, M. Das Verhalten des peripheren Nervensystems der Insekten in der Metamorphose. Zs. ges. Anat., Munich Abt. 1 **74** 1924 pp. 318–337, 12 figs.

2822.—Soudek, S. Four new European ants. Ent. Rec., London **37** 1925 pp. 33–37 1 pl. [Hym.]

2823.—Soumakov, G. G. Corrections synonymiques sur quelques espèces du genre *Mylabris* F. Sitzungsber. Natf. Ges., Dorpat **31** 1924 pp. 80–90. [Col.]

2824.—Spaeth, F. Zwei neue *Cassida*-Arten aus den Philippinen. Philipp. J. Sci., Manila **27** 1925 pp. 125–129. [Col.]

2825.—Spaeth, F. Die Gattung *Prioptera* Hope (Coleoptera, Cassididae). Philipp. J. Sci., Manila **28** 1925 pp. 379–435 2 pls.

2826.—Spaeth, F. Neue *Hoplionota*-Arten (Coleoptera, Chrysomelidae, Cassidinae) aus den Philippinen, II. Philipp. J. Sci., Manila **28** 1925 pp. 577–587.

Spaeth, F. *see* Kleine, Spaeth & Moser.

2827.—Speiser, P. Ergänzungen zu Czwalina's "Neuem Verzeichnis der Fliegen Ost- und Westpreussens," V (Phoridae). Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 265–270. [Dipt.]

2828.—Spemann, H. Vererbung und Entwicklungsmecanik. Zs. indukt. Abstammgslehre, Berlin **33** 1924 pp. 272–293.

2829.—[Spesivtzev] Spessivtseff, P. Zur Generationsfrage der Borkenkäfer. (Vorläufige Mitteilung). Ent. Tidskr., Stockholm **46** 1925 pp. 102–106. [Col.]

2830.—[Spesivtzev] Spessivtseff, P. Barkborrar, Scolytidae. (Coleoptera, ii Rhynchophora Häft 3.) Svensk Insektfauna, Stockholm, Ent. Föreningen **28** 1925 pp. 143–194 25 figs.

2831.—[Spesivtzev, P. N.] Спесивцев, П. Н. Key to Bark-beetles. [In Russian.] Moscow 1925 87 pp. 152 figs. [Col.]

2832.—Spett, G. Beobachtungen über Geselligkeit (Koloniebildung) bei überwinternden Käfern der Gattung *Saprinus* (Col. Hist.). Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 5–8.

2832a.—Spett, G. & Levitt, M. Zur Kenntnis des inneren Geschlechtsapparates der Blattkäfer (Coleoptera, Chrysomelidae). (Vorläufige Mitteilung.) Wiener ent. Ztg., Vienna **42** 1925 pp. 39–44.

2833.—Speyer, W. Beiträge zur Kenntnis vom Massenwechsel (Gradation) schädlicher Insekten. 5. Verborgenrüszler der Ölfruchte im Jahre 1920. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **10** 1921 pp. 445–449.

2834.—Speyer, W. *Perilitus melanopus* Ruthe (Hym. Braconidae) als Imaginalparasit von *Ceutorrhynchus quadridens* Panz. Zs. angew. Ent., Berlin **11** 1925 pp. 132–146.

2835.—Speyer, W. Die Lebensdauer des Apfelblütenstechers (*Anthonomus pomorum* L.). Nachrichtenbl. deutschen Pflanzenschutzdienst, Berlin **5** 1925 pp. 88–91 4 figs. [Col.]

Speyer, W. *see* Blunck & Speyer.

Speyer, W. *see* Börner & Speyer.

2836.—Spruyt, F. J. Observations on the egg-laying habits of *Saxinis saucia* Lec. (Coleoptera-Chrysomelidae). Pan-Pacific Ent., S. Francisco **1** 1925 pp. 176–178 1 fig.

2837.—Spuler, A. North American species of *Borborus* Meigen, and *Scatophora* Robineau-Desvoidy. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 1–16 1 pl. [Dipt.]

2838.—Spuler, A. North American species of the subgenus *Scotophilella* Duda (Diptera, Borboridae). J. New York Ent. Soc. **33** 1925 pp. 70–84, 147–162 1 pl.

2839.—Spuler, A. Studies in North American Borboridae (Diptera). Canad. Ent., Orillia **57** 1925 pp. 99–104, 116–124, 1 pl.

2840.—Stach, J. Eine alte Reliktenform in der heutigen Apterygoten-Fauna von Malta, zugleich über einige

Collembolen von dieser Insel und aus Tunis. Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 105–130 2 pls. [Collem.]

2841.—Stackelberg, A. A. Diptera Nematocera of Petrograd province. [In Russian.] Faunae Petropolitanae Catalogus, Petrograd **2** no. 10 1922 16 pp.

2842.—Stackelberg, A. A. Asilidae of the Petrograd province. [In Russian.] Faunae Petropolitanae Catalogus, Petrograd **2** no. 13 1922 21 pp. [Dipt.]

2843.—Stackelberg, A. A. Materials for identification of Diptera Nematocera of USSR. I. Genus *Anopheles*. [In Russian.] Rev. Microbiol. & Epidemiol., Saratov **4** 2 1925 pp. 20–42 5 figs. [English summary pp. 110–111.]

2844.—Stackelberg, A. v. Kurze Uebersicht der palaearktischen *Zelima*- (= *Xylota*) Arten (Dipt. Syrph.). D. ent. Zs., Berlin **1925** pp. 279–288.

2845.—Stäger, R. Studien am Ameisenlöwen. Biol. Zentrabl., Leipzig **45** 1925 pp. 65–93. [Neur.]

2846.—Stäger, R. Das Leben der Gastameise (*Formicoxenus nitidulus* Nyl.) in neuer Beleuchtung. Zs. Morph. Oekol. Tiere, Berlin **3** 1925 pp. 452–476. [Hym.]

2847.—Stäger, R. Ueber die näheren Umstände beim Heimschaffen der Beute durch die Waldameisen. Ent. Zs., Frankfort on M. **38** 1925 pp. 58–60, 66–67, 72–73, 78, 80–81, 84–85, 87–88, 91–92. [Hym.]

2848.—Stanfusz, M. Ueber die Hybridation bei den Insekten. Ent. Jahrb., Leipzig **2** 1893 pp. 135–145.

2849.—Stättermayer, J. Drei neue Formen von *Eudia pavonia* L. Zs. österr. Ent.-Ver., Vienna **5** 1920 p. 60. [Lep.]

2850.—Stauder, H. Zum Gehörsinne der Lepidopteren. Zs. österr. Ent.-Ver., Vienna **5** 1920 pp. 70–71.

2851.—Stauder, H. Neue Palaearktenformen. I. Mitt. münchn. ent. Ges., Munich **12** 1922 pp. 17–25. [Lep.]

2852.—Stauder, H. Die Tabel von der Einbrütigkeit der alpinen *Pieris napi bryoniae* O. Mitt. münchn. ent. Ges., Munich **13** 1923 pp. 25–36. [Lep.]

2853.—Stauder, H. Pieridologisches aus Transkaukasien. Ent. Anz., Vienna **5** 1925 pp. 3–4, 10–11. [Lep.]

2854.—Stauder, H. Teriolensia II. Ent. Anz., Vienna **5** 1925 pp. 35–36, 41–43, 49–52. [Lep.]

2855.—Stauder, H. Lycaenologisches Allerlei. Ent. Anz., Vienna **5** 1925 pp. 60–62, 65–68, 73–75. [Lep.]

2856.—Stauder, H. Weiteres zur *bryoniae*-Frage. Intern. ent. Zs., Guben **19** 1925 pp. 201–206, 211–214. [Lep.]

2857.—Stauder, H. Lepidoptera aus Unteritalien, II. Soc. ent., Stuttgart **40** 1925 pp. 3–7, 10–12.

2858.—Stauder, H. Die Schmetterlingsfauna der illyro-adriatischen Festland- und Inselzone. (Faunula Illyro-Adriatica.) Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 191–226. [Lep.]

2859.—Stauder, P. Aufweichen von Lycaeniden. Intern. ent. Zs., Guben **19** 1925 pp. 272–273. [Lep.]

2860.—Stear, J. R. Three Mirids predacious on the rose leaf-hopper on apple. J. Econ. Ent., Geneva **18** 1925 pp. 633–636 1 fig. [Hem.]

2861.—Steenberg, C. M. Etude sur deux espèces de *Phronia* dont les larves se forment de leurs excréments une couche protectrice : La *Phronia strenua* Winn. et la *P. johannae* n. sp. (Diptera Nematocera). Vidensk. Medd., Copenhagen **78** 1924 pp. 1–68, 211 8 pls. 13 figs.

2862.—Stefani, T. de. Note ed osservazioni su due Asphondylariae (Cecidomyidae). Marcellia, Avellino **16** (1917) 1919 pp. 72–78 1 pl. [Dipt.]

2863.—Stempell, W. Zur physiologie und ökologie der *Dixa*-larve. Arch. Hydrobiol., Stuttgart **16** 1925 pp. 329–336 3 figs. [Dipt.]

2864.—Steopoe, I. La spermatogénèse chez la *Nepa cinerea*. C.R. Soc. Biol., Paris **92** 1925 pp. 1476–1478 4 figs. [Hem.]

2865.—Stephan, J. Die eulenartigen Nachtschmetterlinge der Grafschaft Glatz. D. ent. Zs. Iris, Dresden **39** 1925 pp. 11–47. [Lep.]

2866.—Stephan, J. Die spannerartigen Nachtschmetterlinge und die Kleinschmetterlinge der Grafschaft Glatz. D. ent. Zs. Iris, Dresden **39** 1925 pp. 65–133. [Lep.]

2867.—Sterzl, A. Zwei neue bemerkenswerte Zygaenen-Aberrationen. Zs. österr. Ent.-Ver., Vienna **6** 1921 pp. 59–60. [Lep.]

2868.—Stewart, A. M. *Blabera cubensis* (Orthoptera) and its oötheca. Entomologist, London **58** 1925 pp. 57–58 2 figs.

2869.—Stichel, H. Beiträge zur Kenntnis der Riodinidenfauna Südamerikas. VI. & VII Nord-Brasilien (Amazonas). Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 14–23, 53–56, 84–93, 256–264. [Lep.]

2870.—Stichel, H. Zur Systematik der Brassolidae (Lep. Rhop.). N. Beitr. syst. Insektenk., Berlin **3** 1925 pp. 58–69.

2871.—Stichel, H. Nacharbeiten zur Revision der Riodinidae II. (Lep.) D. ent. Zs., Berlin **1924** pp. 409–424.

2872.—Stichel, W. Illustrierte Bestimmungstabellen der Deutschen Wanzen, Berlin **1–3** 1925 pp. 1–90 248 figs. [Hem.]

2873.—Stickney, F. The relation of the nymphs of a dragonfly (*Libellula pulchella* Drury) to acid and temperature. Ecology, Brooklyn **3** 1922 pp. 250–254. [Odon.]

2874.—Stitz, H. Hymenoptera, VII: Formicidae. Beitr. Kennt. Fauna Deutsch-Südwestafrikas, Hamburg **2** 1923 pp. 143–167 2 figs.

2875.—Stitz, H. Ameisen von den Philippinen, den malayischen und ozeanischen Inseln. Sitzungsber. Ges. natf. Freunde, Berlin **1923** 1925 pp. 110–136 9 figs. [Hym.]

2876.—Stöckhert, E. Beiträge zur Kenntnis der Hymenopterenfauna Frankens. Mitt. münchn. ent. Ges., Munich **9** 1919 pp. 4–12, 17–32, 37–49.

2877.—Storch, O. Libellenstudien, I. Sitzungsber. Akad. Wiss., Vienna Abt. I **133** 1924 pp. 57–84 2 figs. [Odon.]

2878.—Strand, E. Noctuiden aus Belgisch-Kongo. Zs. österr. Ent.-Ver., Vienna **3** 1918 pp. 77–78, 88–91, 98–100, 110–111. [Lep.]

2879.—Strand, E. Lepidoptera, Hymenoptera und Arachniden aus Macedonien. Zs. österr. Ent.-Ver., Vienna **4** 1919 pp. 44–45.

2880.—Strand, E. Zur Kenntnis neotropischer Joppinen (Hymenoptera). Zs. österr. Ent.-Ver., Vienna **6** 1921 pp. 51–53, 57–58, 64; **7** 1922 pp. 7–8, 23–24, 42–44; **8** 1923 pp. 26–28, 56–60.

2881.—Strand, E. Systematisch-faunistische Beiträge zur Kenntnis exotischer Heterocera und Grypocera auf Grund von material des Deutschen Entomologischen Museums. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 7 pp. 113–172. [Lep.]

2882.—Strauss, M. B. Fertility and toleration of temperature in inbred *Drosophila.* Amer. Nat., New York **59** 1925 pp. 379–384. [Dipt.]

2883.—Strawiński, K. Histoire naturelle de l'*Aradus cinnamomeus* Pnz. (Hemiptera-Heteroptera). [In Polish with English summary.] Roczniki Nauk Rolniczych i Leśnych, Posen **13** [1925] pp. 644–693 3 figs. 4 pls.

2884.—Strickland, C. On the larvae of some Indian *Anopheles.* Ind. J. Med. Res., Calcutta **12** 1925 pp. 561–563 2 pls. [Dipt.]

2885.—Strickland, E. H. Biological notes on parasites of prairie cutworms. Canada Dept. Agric., Ottawa Bull. N.S. **26** (Ent. Bull. **22**) 1923 40 pp. 20 figs.

2886.—Strohl, J. Die Giftproduction bei den Tieren von zoologisch-physiologischem Standpunkt. Zugleich ein Hinmeis auf funktionelle Beziehungen zwischen Giften, Hormonen, Gerüchen. Biol. Zentralbl., Leipzig **45** 1925 pp. 513–536, 578–604.

2887.—Strohm, K. Insekten der badischen Fauna. I. Beitrag. Hymenoptera. Odonata. Mitt. badischen ent. Ver. Frieburg i. Br. **1** 1925 pp. 204–220.

2888.—Stubenrauch, v. Ueber die Entwicklung von *Erebia nerine* Frr. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 42–47 1 pl. [Lep.]

2889.—Sturtevant, A. H. Notes on the ant fauna of oak galls in the Woods Hole region. Psyche, Boston **32** 1925 pp. 313–314. [Hym.]

2890.—Sturtevant, A. H. The effects of unequal crossing at the bar locus in *Drosophila.* Genetics, Brooklyn **10** 1925 pp. 117–147. [Dipt.]

Sturtevant, A. H. *see* Morgan, Bridges & Sturtevant.

2891.—Subramanyam, T. V. A note on colour variations in a common ladybird beetle, *Chilomenes sexmaculata*, Fb. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 363–364. [Col.]

2892.—Süffert, F. Geheime Gesetzmässigkeiten in der Zeichnung der Schmetterlinge. Rev. suisse Zool., Geneva **32** 1925 pp. 107–111. [Lep.]

2893.—Sulc, K. De la symbiose intracellulaire chez les Fulgorides. C.R. Soc. Biol., Paris **92** 1925 pp. 1059–1062. [Hom.]

2894.—Surcouf, J. M. R. Les Tabanides de France et des pays limitrophes. Encyc. ent. Sér. A **5** Paris 1924 261 pp. 133 figs. [Dipt.]

2895.—Surcouf, J. & **Guyon,** L. Recherches préliminaires sur la morphologie et la biologie des larves d'Oestrides. Bull. Soc. ent. France, Paris **1925** pp. 68–72 3 figs. [Dipt.]

2896.—Suzuki, K. & **Hirata,** S. Genetic studies on the adhesive character of the silkworm egg. Sangyôsikenzyo Hôkoku **6** no. 8 1924. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (113).) [Lep.]

2897.—Suzuki, M. Japanese Lucanidae. Tsuzoku Konchû Zasshi **1** no. 1 1923 pp. 5–16 1 pl. 2 figs. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (109).) [Col.]

2898.—Suzuki, M. Japanese Longicorn Beetles, I. Tsuzoku Konchû Zasshi **1** no. 3 1923 pp. 3–15 1 pl. 1 fig. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (109).) [Col.]

Svenson, H. K. *see* Mavor & Svenson.

2899.—Swaine, J. M. A new species of *Polygraphus* (Coleoptera). Canad. Ent., Orillia **57** 1925 p. 51.

2900.—Swaine, J. M. New species of Ipidae (Coleoptera). Canad. Ent., Orillia **57** 1925 pp. 192–197.

2901.—Sweetman, H. L. The life-history of *Diabrotica vittata* Fabr. in Iowa (Chrysomelidae, Coleoptera). J. Econ. Ent., Geneva, N.Y. **18** 1925 pp. 795–807 1 fig.

2902.—Swellengrebel, N. H. *Cellia errabunda* n. sp., een nieuwe Anopheline voor Nederlandsch-Indië. Nederl. Tijdschr. Geneesk., Amsterdam **69** 1 1925 pp. 1913–1915 5 figs. [Dipt.]

2903.—Swellengrebel, N. H. De Anophelinen van Nederlandsch Oost-Indië. Kolon. Inst. Amsterdam, Meded. **15** (Afd. Trop. Hyg. no. **10**) 1921 155 pp. 20 pls. 76 figs. 1 table. [Dipt.]

2904.—Swellengrebel, N. H. & **Swellengrebel de Graaf,** J. M. H. Addenda to description of larvae of Netherlands Indian Anophelines. Meded. Burgerlijk. Geneesk. Dienst Ned.-Ind., Batavia **1919** 6 suppmt. 1920 3 pp. 2 pls. [Dipt.]

2905.—Swenk, M. H. Two new bees of the genus *Colletes*, oligotropic upon *Petalostemum.* Amer. Mus. Novit., New York no. **186** 1925 pp. 1–9. [Hym.]

Swett, L. W. *see* Cassino & Swett.

2906.—Swingle, H. S. Digestive enzymes of an insect. Ohio J. Sci., Columbus **25** 1925 pp. 209–218.

2907.—Symes, C. B. The black-maize beetle. Observations on life-history and control. Rhodesia Agric. J., Salisbury **22** 1925 pp. 83–98 & 207–224 1 pl. 3 figs. 5 tables 1 diagr.; also Southern Rhodesia Minist. Agric. and Lands, Salisbury, Bull. **535** 1925 35 pp. &c. [Col.]

2908.—Szabó-Patay, J. Sur la morphologie et la fonction de l'appareil respiratoire des *Aphelochirus.* Ann. hist.-nat. Mus. nat. hung., Budapest **21** 1924 pp. 33–55, 15 figs. [Hem.]

2909.—Szilady, Z. A synopsis of the flies of Hungary. III. Conopidae. [In Hungarian with English summary.] Math. Természet. Ert., Budapest **41** 1925 pp. 215–229.

2910.—Takahashi, R. On some subaquatic Aphididae with description of one new genus and species. [In Japanese; description in English.] Insect World, Gifu **23** 1919 pp. 439–442. [Hom.]

2911.—Takahashi, R. Aphididae of Formosa. Part 4. Govt. Res. Inst. Taihoku, Formosa 1925 65 pp. 4 pls. [Hom.]

2912.—Takahashi, R. Some Chinese Aphididae. [In Japanese.] Trans. Nat. Hist. Soc. Formosa, Taihoku **15** 1925 pp. 103–104. [Hom.]

2913.—Takahashi, R. Morphological studies on *Pachytylus migratorioides* Reich. (Acrididae). [In Japanese.] Dobuts. Z. [Zool. Mag.], Tokyo **37** 1925 pp. 191–203. [Orth.]

2914.—Takeuchi, K. On the larvae of *Argynnis sagana* Doubleday and *A. paphia paphioides* Butler with a note on *Ichneumon* sp. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 254–256 fig. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (108).) [Lep.]

2915.—Takeuchi, K. List of the Pamphiliidae in Japan. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 362–366 1 fig. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (109).) [Hym.]

2916.—Talbot, G. The resemblances between species of the Nymphaline genus *Phyciodes* (*Eresia*), and species belonging to other groups and families of Lepidoptera. Trans. Ent. Soc. London **1924** 1925 pp. cxxvi–cxxxii.

2917.—Talbot, G. Forms of *Colias* from Peru. Trans. Ent. Soc. London **1925** p. xvi. [Lep.]

Talbot, G. *see* Joicey & Talbot.

2918.—Talbot, G. & **Le Cerf,** F. On the identity of some species of *Euploea* with the description of two new forms (Lep. Rhopal. Danaidae). Encyc. ent. Sér. B. III. Lep. **1**, Paris 1925 pp. 37–39.

2919.—Tams, W. H. T. List of the moths collected in Arabia by Captain R. E. Cheesman, with descriptions of four new species. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 144–150 1 pl. [Lep.]

2920.—Tams, W. H. T. African Lasiocampidae: Notes and new species. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 552–561. [Lep.]

2921.—Tams, W. H. T. Descriptions of two new species of the genus *Metadrepana* (Drepanidae, Lep.). Bull. Ent. Res., London **15** 1925 pp. 289–291 4 figs.

2922.—Tams, W. H. T. A new processionary moth (Notodontidae) injurious to pine trees in Cyprus. Bull. Ent. Res., London **15** 1925 pp. 293–294 3 figs. [Lep.]

2923.—Tanaka, Y. A new sex-linked mutation in the silk-worm, *Bombyx mori* L. J. Dept. Agric. Kyushu Imp. Univ., Fukuoka **1** 1924 pp. 135–150 1 pl. [Lep.]

2924.—Tanaka, Y. Maternal inheritance in *Bombyx mori*. Genetics, Brooklyn **9** 1924 pp. 479–486. [Lep.]

2925.—Tanaka, Y. Studies on the sex-linked inheritance in the silkworm. Sangyo-shikenjo Hokoku **6** 1921 pp. 1–33 1 pl. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (86).) [Lep.]

2926.—Tarbinsky, S. P. Contributions à la faune des Orthoptères du gouvernement de Brjansk. [In Russian.] Défense des Plantes, Leningrad **1** 1925 pp. 206–210.

2927.—Tarbinsky, S. P. Contributions à la faune des Orthoptères du gouvernement de Kustanaj. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 155–159.

2928.—Tarbinsky, S. Zur Kenntnis der Gattung *Chorthippus* Fieb. (Orth. Acridinae). Konowia, Vienna **4** 1925 pp. 135–140 3 figs.

2929.—Tarel, M. R. Révision du genre *Cicindela* L. dans la contribution à la faune des Coléoptères de la Gironde de M.M. Bial etc. Actes Soc. linn. Bordeaux **77** 1925 pp. 5–13. [Col.]

2930.—Tavares, J. S. Nova contribuïção para o conhecimento da Cecidologia brazileira. Brotéria, Caminha **22** 1925 pp. 5–55 15 figs. 3 pls.

2931.—Tavares, J. S. Importância da Cecidologia da Península Ibérica. Resenha critica dos géneros e espécies das Cynipinae da Península Ibérica. Brotéria, Caminha **22** 1925 pp. 84–98. [Hym.]

Taylor, N. *see* Adams, Burns, etc.

Tchang, Yung-Tai *see* Young-Tai Tchang.

2932.—Teague, M. M. A review of the genus *Aclerda* (Hemiptera, Coccidoidea). Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 432–440 3 pls.

2933.—Tempère, G. Préparation des Coléoptères pour les collections. Rev. Zool. agric. & appl., Bordeaux **24** 1925 pp. 63–66, 148–154, 1 fig.

2934.—Tempère, G. Comment collectionner les Insectes. Rev. Zool. agric. & appl., Bordeaux **24** 1925 pp. 170–173.

2935.—Tenenbaum, S. Coléoptères nouveaux pour la Pologne. Polsk. Pismo ent., Lemberg 1925 **3** pp. 132–134; **4** pp. 104–106.

Tenhet, J. N. *see* Chamberlin, Tenhet & Böving.

2936.—Teodoro, G. Nuove ricerche sull'apparato di uncinamento fra elitre ed ali negli eterotteri. Atti Mem. Accad. Sci. Padua (N.S.) **40** 1924 pp. 239–247. [Hem.]

2937.—Teodoro, G. Sull'apparato di uncinamento fra elitre de ali negli Eterotteri (6. contribuzione). Atti Mem. Accad. Sci. Veneto-Trentino-Istriana, Padua **15** ser. 3, 1925 pp. 49–54. [Hem.] [Not seen.]

2938.—Teodoro, G. Sulla partenogenesi nel *Bombyx mori.* Atti Ist. veneto Sci., Venice **84** 1924–25 pp. 241–252 1 pl. [Lep.]

2939.—Teodoro, G. Nota sui Collemboli italiani. Boll. Soc. ent. ital., Genoa **57** 1925 pp. 124–125.

2940.—Terao, A. & **Naoki,** W. Preliminary note on effects of thyroid feeding on the silkworms, *Bombyx mori,* L. Japan Med. World, Tokyo **4** 1924 p. 68. [Lep.]

Tetens Nielsen *see* Hemmingsen & Tetens Nielsen.

2941.—Theobald, F. V. New and little-known British Aphides. Ent. Mo. Mag., London **61** 1925 pp. 71–81, 7 figs. [Hem.]

2942.—Theodor, O. Observations on Palestinian *Anopheles.* Bull. Ent. Res., London **15** 1925 pp. 377–382 3 figs. [Dipt.]

2943.—Théry, A. Descriptions de genres nouveaux de Buprestides (Col.). Bull. Soc. ent. France, Paris **1925** pp. 63–67, 122–126.

2944.—Théry, A. Observations sur les genres nouveaux publiés par M. Obenberger dans "Sbornik" 1924. Bull. Soc. ent. France, Paris **1925** pp. 223–227. [Col.]

2945.—Théry, A. Note sur *Trachys subalutacea* Pic. Bull. Soc. R. ent. Egypte, Cairo **1924** 1925 pp. 401–403 2 figs. [Col.]

2946.—Théry, A. Coléoptères Buprestides récoltés par M. de Morgan en Perse, pendant l'année 1904. Bull. Mus. Hist. nat. Paris **1925** pp. 77–84, 171–177, 1 fig.

2947.—Théry, A. Buprestides. Wissenschaftliche Ergebnisse der Bearbeitung der Coleopteren-Sammlung von Franklin Müller (Beitrag II.). Ent. Mitt., Berlin **14** 1925 pp. 162–165.

2948.—Thiem, H. Die Frostspannerplage im Niederungsgebiet der Weichsel bei Marienwerder Wstpr. und Beiträge sur Biologie des Kleinen Frostspanners. Arb. biol. Reichsanst. Land- u. Forstw., Berlin **11** 1922 pp. 1–94. [Lep.]

2949.—Thomas, C. A. Observations on the life-history of *Popillia japonica,* Newm. J. Econ. Ent., Geneva, N.Y. **18** 1925 pp. 357–361. [Col.]

2950.—Thompson, D. H. Evidence of structure in the gene. Amer. Nat., New York **59** 1925 pp. 91–94. [Dipt.]

Thompson, W. R. *see* Parker & Thompson.

2951.—Thomsen, M. Sex-determination in *Trialeurodes vaporariorum.* Nature, London **116** 1925 p. 428. [Hom.]

2952.—Thurner, J. Ueber die Formen der *Erebia arete* F. Zs. österr. Ent.-Ver., Vienna **7** 1922 pp. 14–15, 37–38. [Lep.]

Tian, A. *see* Cotte & Tian.

2953.—Tillyard, R. J. Origin of the Australian and New Zealand insect faunas. Rep. Austral. Ass. Adv. Sci., Sydney **16** 1924 pp. 407–413

2954.—Tillyard, R. J. Upper Permian Coleoptera and a new order from the Belmont beds, New South Wales. Proc. Linn. Soc. N.S.W., Sydney **49** 1924 pp. 429–435 2 pls. 3 figs.

2955.—Tillyard, R. J. New genera and species of Australian stone-flies (Order Perlaria). Trans. R. Soc. S. Australia, Adelaide **48** 1924 pp. 192–195 3 figs. [Plecopt.]

2956.—Tillyard, R. J. Primitive wingless Insects. Part III: The orders Protura and Collembola. N.Z. J. Sci. & Technol., Wellington **7** 1925 pp. 298–303 3 figs.

2957.—Tillyard, R. J. Some remarks on the evolution of the bee. N.Z. Fruitgrower and Apiarist, Auckland, 17th Nov. 1924, reprint 2 pp. 2 figs. [Hym.]

2958.—Tillyard, R. J. Caddis-flies (Order Trichoptera) from the Chatham Islands. Rec. Canterbury Mus., Christchurch, N.Z. **2** 1925 pp. 277–284 6 figs.

2959.—Tillyard, R. J. Odonata, Neuroptera and Trichoptera from Groote Eylandt, Gulf of Carpentaria. Rec. S. Aust. Mus., Adelaide **3** 1925 pp. 41–44.

2960.—Tillyard, R. J. Kansas Permian insects. Part IV. Paleodictyoptera. V. Protodonata and Odonata. Amer. J. Sci., New Haven, Conn. (5) **9** 1925 pp. 328–335 3 figs; (5) **10** 1925 pp. 41–73 14 figs.

2961.—Tillyard, R. J. The British Liassic Dragonflies (Odonata). Br. Museum (Nat. Hist.), London, Fossil Insects no. **1** 1925 38 pp. 5 pls. 14 figs.

2962.—Tillyard, R. J. Alleged Rhaetic craneflies. Nature, London **116** 1925 pp. 676–677 1 fig. [Dipt.]

2963.—Timberlake, P. H. Description of new Chalcid-flies from Panama and Hawaii (Hymenoptera). Proc. Hawaiian Ent. Soc., Honolulu **6** 1925 pp. 173–192 1 pl.

2964.—Titschack, E. Beiträge zu einer Monographie der Kleidermotte *Tineola biselliella.* Zs. techn. Biol., Leipzig **10** 1922 sep., 168 pp. 4 pls. 91 figs. [Lep.]

2965.—Titschack, E. Untersuchungen über das Wachstum, den Nahrungsverbrauch und die Eierzeugung. 1. *Carausius* (*Dixippus*) *morosus.* Zs. wiss. Zool., Leipzig **123** 1924 pp. 431–487 1 fig. [Orth.]

2966.—Titschack, E. Untersuchungen über den Temperatureinfluss auf die Kleidermotte (*Tineola biselliella* Hum.). Zs. wiss. Zool., Leipzig **124** 1925 pp. 213–251 2 figs. [Lep.]

2967.—Tonkov, V. Ueber den Bau der Rectaldrüsen bei Insecten. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 416–429 11 figs.

2968.—Tonnoir, A. L. New Zealand Dixidae (Dipt.). Rec. Canterbury Mus., Christchurch, N.Z. **2** 1924 pp. 221–233, 311, 3 pls.

2969.—Tonnoir, A. L. New Zealand Pipunculidae (Dipt.). Rec. Canterbury Mus., Christchurch, N.Z. **2** 1925 pp. 313–316 1 pl.

2970.—Tonnoir, A. L. Australian Platypezidae (Diptera). Rec. Aust. Mus., Sydney **14** 1925 pp. 306–312 2 figs.

2971.—Tonnoir, A. L. Australasian Simuliidae. Bull. Ent. Res., London **15** 1925 pp. 213–255 13 figs. [Dipt.]

2972.—Torka, V. Seltene Bienen Oberschlesiens. Intern. ent. Zs., Guben **18** 1925 pp. 249–251, 255–257. [Hym.]

2973.—Törne, O. Untersuchungen über die Insertion der Muskeln am Chitinskelett bei Insekten. Schr. natf. Ges. Univ. Dorpat **20** 1911 pp. 1–94 2 pls. 14 figs.

2974.—Torre-Bueno, J. R. de la. Methods of collecting, mounting and preserving Hemiptera. Canad. Ent., Orillia **57** 1925 pp. 6–10, 27–32, 53–57.

2975.—Torre-Bueno, J. R. de la. On some aquatic Hemiptera from Ceylon, with descriptions of new forms. Spolia Zeylanica, Colombo **13** 1925 pp. 223–234.

2976.—Townsend, C. H. T. An analysis of insect environments and response. Ecology, Brooklyn **5** 1924 pp. 14–25.

2977.—Townsend, C. H. T. The inside history of North American myiology. J. New York Ent. Soc. **33** 1925 pp. 1–10. [Dipt.]

2977a.—Townsend, C. H. T. Fauna sumatrensis. (Beitrag Nr. 8). Calirrhoinae (Dipt. Muscoidea). Ent. Mitt., Berlin **14** 1925 pp. 250–251.

2978.—Toxopeus, L. J. Fauna Buruana. Diptera, Anophelinae. Treubia, Buitenzorg **7** 1925 pp. 38–39.

2979.—Traver, J. R. Observations on the ecology of the mayfly, *Blasturus cupidus.* Canad. Ent., Orillia **57** 1925 pp. 211–218. [Ephem.]

2979a.—**Treherne,** R. C. Notes on the Aeolothripidae I & II. Proc. Ent. Soc. Br. Columbia, Victoria no. **12** (1918) 1919 pp. 27–33 1 pl.; no. **16** (1920) 1921 pp. 7–15. [Thysanopt.]

2980.—**Treherne,** R. C. & **Buckell,** E. R. Grasshoppers of British Columbia. Canada Dept. Agric., Ottawa Bull. N.S. **39** (Ent. Bull. **26**) 1924 40 pp. 3 pls. 18 figs. [Orth.]

2981.—**Trella,** T. Verzeichnis der Käfer der Umgebung von Przemysl. [In Polish with German summary.] Polsk. Pismo ent., Lemberg 1925 **3** pp. 122–127; **4** pp. 92–96. [Col.]

2983.—**Troitzky,** N. N. Zur Anatomie der weiblichen Geschlechtsorgane von *Rhynchites auratus* Scop. [In Russian with German summary.] Repts. Bur. App. Ent. Agric. Sci. Comm., [Petrograd] **1** 1921 pp. 129–152 7 figs. [Col.]

2983a.—**Trotter,** A. Nuovi materiali per una Cecidologia della Tripolitania. Marcellia, Avellino **14** 1915 pp. 72–92 1 pl.

2984.—**Trotter,** A. Miscellanee Cecidologiche. V, VII. Marcellia, Avellino **16** (1917) 1919 pp. 147–151; **20** (1921–1923) 1924 pp. 97–103.

2985.—**Trotter,** A. Intorno all'evoluzione morfologica delle galle. Marcellia, Avellino **20** (1921–1923) 1923 & 1924 pp. 67–86.

2986.—**Tschauner,** W. Erprobte Seidenspinner - Zimmerzuchtmethoden. Intern. ent. Zs., Guben **19** 1925 pp. 196–197, 220–221. [Lep.]

2987.—**Tshugunov,** S. M. Contributions à la faune des Lépidoptères du gouvernement de Tobolsk. [In Russian with French summary.] Rev. russe Ent., Leningrad **19** 1925 pp. 69–71.

2989.—**Tullgren,** A. Aphidologische Studien, II. [In German.] Medd. Centralanst. Försöks. Jordbruks., Stockholm no. **280** (Ent. Avdel. no. **44**) 1925 70 pp. 41 figs. [Hom.]

2989a.—**Turati,** E. Missione Zoologica del Dr. E. Festa in Cirenaica. XVII. Lepidotteri. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 27 9 pp.

Turati, E. *see* Rocci & Turati.

2990.—**Turner,** A. J. Revision of Australian Lepidoptera. Lasiocampidae. Proc. Linn. Soc. N.S.W., Sydney **49** 1924 pp. 397–428.

2991.—**Turner,** A. J. The present distribution and past history of our Australian butterflies. Mem. Queensland Mus., Brisbane **8** 1925 pp. 115–122 5 figs. [Lep.]

2992.—**Turner,** A. J. The Lepidoptera of Yeppoon. Austral. Zool., Sydney **4** 1925 pp. 17–23.

Turner, A. J. *see* Eyer & Turner.

2993.—**Turner,** C. L. A mutation in the moth-like fly (*Psychoda alternata*) and the method of its transmission. Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 128–136 1 pl. [Dipt.]

2994.—**Turner,** H. J. *Acalla reticulata*, Ström. = *contaminana* Hüb.—Its history and its variation. Ent. Rec. London **37** 1925 pp. 171–173. [Lep.]

2995.—**Turner,** H. J. List of the Geometers of the British Islands with the named varieties and the synonyms in general use classified according to the nomenclature and arrangement of L. B. Prout in Seitz' Macro-Lepidoptera (Palaearctic Geometers). Ent. Rec., London **37** 1925 sep. pp. 1–16. [Lep.]

Turner, H. J. *see* Goodman & Turner.

Twigg, H. J. R. *see* Scott, Twigg & Seth-Smith.

2996.—**Uchida,** S. Mallophaga parasitic on the Mikado Pheasant with a note on the systematic position of the latter. Dobuts. Z. [Zool. Mag.], Tokyo **34** 1922 pp. 244–251 6 figs. (In Japanese.) [Abstract in Jap. J. Zool., Tokyo **1** 1924 p. (63).]

2997.—**Uchida,** T. On two Ichneumonidae parasitic upon *Pieris rapae* L. [In Japanese with German summary.] Sapporo J. Soc. Agric. & Forestry **16** 1925 pp. 501–510. [Hym.]

2998.—**Uchida,** Y. A list of known species of the Corean Hymenoptera which I collected in 1922, and their geographical distributions. Insect World, Gifu **29** 1925 pp. 328–337, 366–373. [In Japanese.]

2999.—**Uexküll,** I. v. Die Flügelbewegung des Kohlweisslings. Arch. ges. Physiol., Berlin **202** 1924 pp. 259–264 4 figs. [Lep.]

2999a.—**Uittien,** H. Een Hommelvijand (*Aphomia sociella* L.). Levende Natuur, Amsterdam **29** 1925 pp. 116–118. [Lep.]

3000. — **Ulbricht,** A. Zur Kenntnis der Gattung *Homaspis* Foerst. Arch. Natg., Berlin **86** (1920) 1921 Abt. A Heft 12 pp. 21–22. [Hym.]

3001.—**Ule,** C. H. Ueber Auftreten und Verbreitung von *Amphidasis betularia* L. f. *carbonaria* Jord. auf dem Kontinent. Intern. ent. Zs., Guben **18** 1925 pp. 257–260, 261–263, 1 map; **19** 1925 pp. 74–76. [Lep.]

Ule, C. H. *see* Meyer & Ule.

3002.—**Ulmer,** G. Trichopteren aus dem ägyptischen Sudan und aus Kamerun. Mitt. münchn. ent. Ges., Munich **12** 1922 pp. 47–63; **13** 1923 pp. 9–20, figs.

3003.—**Ulmer,** G. Trichopteren und Ephemeropteren aus dem Bialowieser Wald. Abh. math.-naturw. Abt. bayer. Akad. Wiss., Suppl.-Bd. [5] (Beitr. Natur- u. Kulturgesch. Lithauens), Munich 1925 pp. 339–342.

3004.—**Ulmer,** G. Trichoptera. Biologie der Tiere Deutschlands, Berlin Teil **36** 1925 113 pp. 78 figs.

3005.—**Ulmer,** G. Fauna Faerøensis. Trichoptera. Ent. Medd., Copenhagen **14** 1925 pp. 431–440 1 fig.

Urbahn, E. *see* Meyer & Urbahn.

3006.—**Ussing,** H. Om *Atherix ibis* Fabr. Flora og Fauna, Copenhagen **1924** pp. 41–43. [Dipt.]

3007.—**Ussing,** H. *Phronia strenua* Winn. Flora og Fauna, Copenhagen **1925** pp. 21–23. [Dipt.]

3008.—**Uvarov,** B. P. The collection and study of Indian Orthoptera. Rept. Proc. 5th Ent. Meeting Pusa **1923,** Calcutta 1924 pp. 318–324.

3009.—**Uvarov,** B. P. Notes on the Orthoptera in the British Museum. 4. Identification of types of Acrididae preserved in the Museum. Trans. Ent. Soc. London **1924** 1925 pp. 265–301.

3010.—**Uvarov,** B. P. Two new Orthoptera from British Guiana. Ann. Mag. Nat. Hist., London (9) **15** 1925 pp. 680–683.

3011.—**Uvarov,** B. P. Grasshoppers (Orthoptera, Acrididae) from the Mount Everest. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 165–173 1 pl.

3012.—**Uvarov,** B. P. Two new grasshoppers (Orthoptera Acrididae) from Rhodesia. Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 630–633.

3013.—**Uvarov,** B. P. A new grasshopper injurious to rice in Siam. Bull. Ent. Res., London **16** 1925 pp. 159–161 5 figs. [Orth.]

3014.—[**Uvarov,** B. P.] Уваров, Б. П. Acrididae of European Russia and Western Siberia. [In Russian.] Moscow 1925 120 pp. 115 figs. [Orth.]

3015.—**Uvarov,** B. P. A revision of the genus *Ceracris* Walk. (Orthopt. Acrid.). Ent. Mitt., Berlin **14** 1925 pp. 11–17.

3016.—**Uvarov,** B. P. Ueber die von Pallas beschriebenen paläarkt. Orthopteren. Ent. Mitt., Berlin **14** 1925 pp. 153–156. [Orth.]

3017.—**Uvarov,** B. P. The genus *Hilethera* Uv. and its species (Orth., Acrid.). Eos, Madrid **1** 1925 pp. 33–42 3 pls.

3018.—**Uvarov,** B. P. Mission Guy Babault dans les Provinces Centrales de l'Inde et dans la région occidentale de l'Himalaya 1914. Insectes Orthoptères, Acrididae. Paris 1925 40 pp. 1 pl.

3019.—**Uvarov,** B. P. Orthoptera (except Blattidae) collected by Prof. Gregory's expedition to Yunnan. J. Asiat. Soc. Bengal, Calcutta N.S. **20** (1924) 1925 pp. 313–335 8 figs.

3020.—**Uvarov,** B. P. Notes on the Acrididae (Orthoptera) of Central Asia with descriptions of new species and races. J. Bombay Nat. Hist. Soc. **30** 1925 pp. 260–272.

3021.—**Uvarov,** B. P. Some new alpine grasshoppers of the genus *Conophyma* Zub. from Central Asia. J. Bombay Nat. Hist. Soc. **30** 1925 pp. 551–560. [Orth.]

3022.—Uvarov, B. P. On some new short-horned grasshoppers (Acrididae) from South Africa. Ann. Natal Mus., Pietermaritzburg **5** 1925 pp. 159–187 22 figs. [Orth.]

3023.—Uye, T. On *Euphyllura magna* Kuwayama. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 403–405 1 fig. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (106).) [Hom.]

3024.—Uye, T. Some new species of plant lice from Japan. Konchû Sekai [Insect World] **27** 1923 pp. 3–5 1 pl. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (107).) [Hom.]

3025.—Uye, T. Life-history of *Vesiculaphis caricis* Fullaway (Aphididae). [In Japanese.] Insect World, Gifu **29** 1925 pp. 218–223, 253–260 2 pls. [Hom.]

3026.—Vallentin, R. Insecta. *In* Boyson, The Falkland Islands, Oxford 1924 pp. 362–371.

3027.—Van Duzee, E. P. A new Mirid from Arizona (Hemiptera). Pan-Pacific Ent., S. Francisco **2** 1925 p. 35.

3028.—Van Duzee, E. P. New Hemiptera from western north America. Proc. Cal. Acad. Sci., S. Francisco (4) **14** 1925 pp. 391–425.

3029.—Van Duzee, M. C. Dolichopodids, new or imperfectly known. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 153–155. [Dipt.]

3030.—Van Duzee, M. C. *Scellus virago* Aldrich (a two-winged fly) and two forms closely related to it Proc. Cal. Acad. Sci., S. Francisco (4) **14** 1925 pp. 175–183 23 figs. [Dipt.]

3031.—Van Duzee, M. C. A revision of the North American species of the genus *Argyra* Macquart, two-winged flies of the family Dolichopodidae. Proc. U.S. Nat. Mus., Washington **66** 1925 art. 23 no. 2560 43 pp. 1 pl. [Dipt.]

3032.—Van Duzee, M. C. New species of North American Dolichopodidae (Diptera). Psyche, Boston **32** 1925 pp. 178–189.

3033.—Van Dyke, E. C. Studies of western North American Carabinae (Coleoptera) with descriptions of new species. Pan-Pacific Ent., S. Francisco **1** 1925 pp. 111–125.

3034.—Van Dyke, E. C. Notes and descriptions of new species of West American Hispinae (Coleoptera-Chrysomelidae). Pan-Pacific Ent., S. Francisco **1** 1925 pp. 170–173.

3035.—Van Dyke, E. C. New species of Carabidae in the subfamily Harpalinae, chiefly from western North America. Pan-Pacific Ent., S. Francisco **2** 1925 pp. 65–76. [Col.]

Van Someren, V. G. L. *see* Rogers & van Someren.

3036.—Varela, G. La flora microbiane de las langostas en descomposicion. Monog. Inst. Higiene, Mexico no. **3** 1925 pp. 113–114. [Orth.]

3037.—Varela, G. La microflora del aparato digestivo de la *Schistocerca paranensis* Burm. en Mexico. Monog. Inst. Higiene, Mexico, no. **3** 1925 pp. 101–107 1 pl. [Orth.]

Varela, G. *see* Hoffmann, Dampf & Varela.

3038.—Vayssière, A. Nymphose et métamorphose d'un *Prosopistoma foliaceum*, Fourc. (*Pr. punctifrons*, Latr.). C.R. Acad. Sci., Paris **181** 1925 pp. 454–455. [Ephem.]

3039.—Vayssière, P. Note préliminaire sur les Monophlebinae (Hémiptères-Coccides). Détermination des Genres. Ann. Epiphyties, Paris **9** 1923 pp. 419–429 12 figs.

3040.—Vayssière, P. & **Mimeur,** J. Au sujet des pucerons ennemis du cotonnier, du mil et du sorgho en A.O.F. Agron. colon., Paris no. 88 1925 pp. 121–152 2 pls. 5 figs. [Hom.]

3041.—Vayssière, P. & **Mimeur,** J. Les Pyrales du cotonnier (*Sylepta derogata* F. & *Glyphodes indica* Saund.) en Afrique occidentale française. Agron. colon., Paris no. 90 1925 pp. 255–268 4 figs. [Lep.]

3042.—Vejdovsky, F. Quelques remarques sur la structure et le développement des cellules adipeuses et des oenocytes pendant la nymphose de l'abeille (♂). Cellule, Louvain **35** 1925 pp. 61–103 2 pls. [Hym.]

3043.—[Velitchkevitch, A. I.] Величкевич, А. И. On the biology of flies mining the leaves of Graminaceae in the Novgorod government. [In Russian.] Trans. 2nd All-Russian Entomo-Phytopath. Meeting Petrograd **1920** 1921 pp. 129–135. [Dipt.]

3044.—Verity, R. New races and forms of Palaearctic Grypocera. Ent. Rec., London **37** 1925 pp. 41–44, 54–57, 72–76. [Lep.]

3045.—Verity, R. Remarks on the evolution of the *Zygaenae* and an attempt to analyse and classify the variations of *Z. lonicerae* Scheven and of *Z. trifolii* Esp. and other subspecies. Ent. Rec., London **37** 1925 pp. 101–104, 117–121, 135–138, 154–158, 1 pl. [Lep.]

3046.—Verlaine, L. Instinct et l'intelligence chez les Hyménoptères. Mém. Acad. R. Belg., Brussels Cl. Sci. **8** 1924 no. 2 pp. 1–72 26 figs.

3047.—Verlaine, L. L'instinct de nidification chez le *Pelopaeus clypeatus* Kohl du Congo belge. Ann. Soc. ent. Belg., Brussels **64** 1924 pp. 197–237 1 chart 1 pl. [Hym.]

3048.—Verlaine, L. La variabilité de l'instinct chez le *Pompilus viaticus* L. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 251–259. [Hym.]

3049.—Verlaine, L. Sur la précarité des caractères distinctifs des *Vespa vulgaris* L. et *germanica* F. et sa signification biologique. Bull. & Ann. Soc. ent. Belg., Brussels **65** 1925 pp. 315–349. [Hym.]

3050.—Viala, P. La coopération scientifique. Rev. sci., Paris **62** 1924 pp. 513–517. [Hom.]

3051.—Viehmeyer, H. Formiciden der australischen Faunenregion. Ent. Mitt., Berlin **14** 1925 pp. 25–39, 139–149. [Hym.]

3052.—Viereck, H. L. A preliminary revision of some Charopsinae, a subfamily of Ichneumonoidea or Ichneumon flies. Trans. R. Soc. Canada, Ottawa **19** Sec. 5 1925 pp. 259–273. [Hym.]

3053.—Viereck, H. L. The identity of *Platycampus victoria* MacGillivray (Tenthredinidae, Hymenoptera). Canad. Ent., Orillia **57** 1925 p. 43.

3054.—Viereck, H. E. New genera and species of Ichneumonoidea in the Canadian National Collection. Canad. Ent., Orillia **57** 1925 pp. 71–78 1 fig. [Hym.]

3055.—Viereck, H. L. Some synonymy in the Ichneumonidae. Canad. Ent., Orillia **57** 1925 p. 104. [Hym.]

3056.—Viereck, H. L. Two new Canadian Ichneumonoidea. Canad. Ent., Orillia **57** 1925 p. 278. [Hym.]

3057.—Viereck, H. L. A preliminary revision of the Campopleginae in the Canadian National Collection, Ottawa. Canad. Ent., Orillia **57** 1925 pp. 176–181, 198–204, 223–228, 296–303. [Hym.]

3058.—Viereck, H. L. A new bee of the genus *Andrena*, in the collection of the Academy of Natural Sciences of Philadelphia. Trans. Amer. Ent. Soc., Philadelphia **51** 1925 pp. 135–136. [Hym.]

3059.—Viereck, H. L. The wasp-like insects or Hymenoptera, exclusive of ants, collected by the Barbados–Antigua Expedition from the University of Iowa in 1918. Univ. Iowa Studies Nat. Hist., Iowa City **11** 1925 pp. 7–11.

3060.—Viereck, H. L. & others. The Hymenoptera, or wasp-like Insects, of Connecticut. Guide to the Insects of Connecticut Part III. Conn. N.H. Surv., Hartford Bull. **22** 1916 824 pp. 10 pls.

3061.—Vignon, P.—Essai de classification du genre *Typophyllum* Serville (Orth. Phasgon.) à propos des quatre espèces nouvelles dont les types sont au Musée de Madrid. Remarques sur le mimétisme de ces formes. Eos, Madrid **1** 1925 pp. 249–281 7 figs. 1 pl.

3062.—Villeneuve, J. L'Oestridomorphisme. Encyc. ent. Ser. B. II. Dipt. **2** Paris 1925 pp. 1–4. [Dipt.]

3063.—Villeneuve, J. Variations dans la longeur des antennes des Tachinidae. Encyc. ent. Sér. B. II. Dipt. **2** Paris, 1925 pp. 3–5. [Dipt.]

3064.—Villeneuve, J. Quelques mots sur les Tachino-Oestrides (Dipt.). Konowia, Vienna **4** 1925 pp. 24–26.

3065.—Villeneuve, J. Descriptions de nouveaux Tachino-Oestrides (Dipt.). Konowia, Vienna **4** 1925 pp. 48–52.

Villeneuve, J. *see* Mercier & Villeneuve.

3066.—Vimmer, A. Larve und Puppe der Gruppe Polyneura (Dipt.). [In Czech with German summary.] Sborník ent. odd. Národ. Mus. Praze **2** (18) 1924 pp. 133–136 14 figs.

3067.—Vimmer, A. Cecidomyiids forming galls on *Artemisia campestris* L. [In Czech.] Časopis českoslov. Společ. ent., Prague **21** 1924 pp. 58–61 11 figs. [Dipt.]

Vitalis de Salvaza, R. *see* Dubois & Vitalis.

3069.—Voelschow, A. Zur Hybriden-Züchtung. Ent. Jahrb., Leipzig **3** 1894 pp. 149–151. [Lep.]

3070.—Vogel, R. Ueber ein tympanales Sinnesorgan, das mutmassliche Hörorgan der Singzikaden. Zs. ges. Anat., Munich Abt. 1 **67** 1923 pp. 190–231 11 figs. [Hom.]

3071.—Vogel, R. Bemerkungen zum weiblichen Geschlechtsapparat der Küchenschabe (*Periplaneta orientalis* L.). Zool. Anz., Leipzig **64** 1925 pp. 56–62 2 figs. [Orth.]

3072.—Voinov, D. Les éléments sexuels de *Gryllotalpa vulgaris* Latr. Arch. Zool., Paris **63** 1925 pp. 437–523 7 pls. 18 figs. [Orth.]

3073.—Voinov, V. D. La pigmentogénèse chez les larves de *Simulium*. C.R. Soc. Biol., Paris **92** 1925 pp. 1478–1480 1 fig. [Dipt.]

3074.—Vorbrodt, C. Lebenszeiten schweizerischer Schmetterlinge und ihrer ersten Stände. Schweiz. ent. Anz., Zürich **3** 1924 pp. 57–58. [Lep.]

3075.—Vorbrodt, C. Die Schmetterlinge der Schweiz. (5. Nachtrag). Mitt. schweiz. ent. Ges., Bern **13** 1925 pp. 434–466. [Lep.]

3076.—Voss, E. Die Unterfamilien Attelabinae und Apoderinae (Col. Curc.) (18. Beitrag zur Kenntnis der Curculioniden.). Stettin. ent. Ztg. **85** (1924) 1925 pp. 1–78, 191–304, 9 maps 3 pls.

3077.—Voss, E. Kritische Bemerkungen zum Genus *Eugnathus* Sch. und Verwandte, eine Bestimmungstabelle und Beschreibung neuer Arten (Col. Curc.). D. ent. Zs., Berlin **1925** pp. 210–223.

3078.—Voukassovitch, P. Observations biologiques sur un Diptère, *Isobremia kiefferi* n. sp. parasite des Pucerons. C.R. Soc. Biol., Paris **92** 1925 pp. 357–359.

3079.—Vuyck, —. Opmerkingen over Hommels. Levende Natuur, Amsterdam **29** 1925 pp. 77–86. [Hym.]

3080.—Wachs, —. Beobachtungen am Hornissenneste und über Aufbau der Wabe. Arch. mecklenburg. Natf., Rostock **1** 1923 pp. 22–23. [Hym.]

3081.—Wachter, S. The hatching of the eggs of *Peripsocus californicus* Banks. Pan-Pacific Ent., S. Francisco **2** 1925 pp. 87–89. [Psocop.]

3082.—Wacker, F. Beiträge zur Kenntnis der antennalen Sinnesorgane der Hymenopteren. Zs. Morph. Oekol. Tiere, Berlin **4** 1925 pp. 739–812 2 pls. 44 figs.

3083.—Wade, J. S. A bibliography of the European corn borer (*Pyrausta nubilalis* Hbn.). U.S. Dept. Agric., Washington Misc. Circ. **46** 1925 20 pp. [Lep.]

3084.—Wagner, F. Einige alte und neue europäisch-palaearktische Lepidopteren. Zs. österr. Ent.-Ver., Vienna **3** 1918 pp. 43–47 5 figs.

3085.—Wagner, F. Einige neue Lepidopteren-Formen. Zs. österr. Ent.-Ver., Vienna **4** 1919 pp. 10–11.

3086.—Wagner, F. Zwei neue *Boarmia*-Formen. Zs. österr. Ent.-Ver., Vienna **5** 1920 pp. 41–42 2 figs. [Lep.]

3087.—Wagner, F. Beiträge zur Lepidopteren-Fauna der Provinz Udine (Ital. sept. or.) nebst kritischen Bemerkungen und Beschreibung einiger neuen Formen. Zs. österr. Ent.-Ver., Vienna **8** 1923 pp. 14–26, 34–44, 51–54, 3 figs.

3088.—Wagner, F. Ueber einige faunistisch bemerkenswerte Lepidopterenfunde aus Dalmatien. Zs. österr. Ent.-Ver., Vienna **8** 1923 pp. 67–69.

3089.—Wagner, F. Eine Lepidopterenausbeute aus Salzburg. Mitt. münchn. ent. Ges., Munich **12** 1922 pp. 29–46.

3090.—Wagner, F. Jugendstadien und Zucht von *Agrotis leucogaster* Irr. Mitt. münchn. ent. Ges., Munich **13** 1924 pp. 54–58. [Lep.]

Wagner, F. *see* Schwingenschuss & Wagner.

3091.—Wagner, W. Beiträge zur Biologie der Kriebelmücke. Zool. Anz., Leipzig **63** 1925 pp. 195–208. [Dipt.]

3092.—Wahlgren, E. Parasitiskinsektpollination. Fauna och Flora Stockholm **1924** pp. 123–128. [Lep.]

3093.—Walden, B. H. Hints on photographing insects. Connecticut Agric. Expt. Sta., New Haven Bull. **265** 1925 pp. 321–331 8 figs.

3094.—Walley, G. S. New Canadian Chironomidae of the genus *Tanypus* (Dipt.). Canad. Ent., Orillia **57** 1925 pp. 271–278 1 pl.

3095.—Walsh, G. B. The coast Coleoptera of the British Isles. A study in insect Oecology. Ent. Mo. Mag., London **61** 1925 pp. 137–150.

3096.—Warloe, H. Fortegnelse over Norges Hemiptera Heteroptera. Forh. Videnskabsselsk. Kristiania **1924** no. 4 pp. 1–41.

3097.—Warnecke, G. Einige Bemerkungen über die Seidenspinner *Antheraea pernyi* Guér. und *yamamai* Guér. und über die geographische Verbreitung beider Arten. Mitt. münchn. ent. Ges., Munich **10** 1920 pp. 4–8, figs. [Lep.]

3098.—Warnecke, G. Eine lepidopterologische Sammelreise ins Groszglocknergebiet. Mitt. münchn. ent. Ges., Munich **10** 1920 pp. 43–62.

3099.—Warnecke, G. Ueber die Variabilität und Verbreitung von *Dasypolia templi* Thnbg. Ent. Zs., Frankfort on M. **38** 1925 pp. 65–66, 73–74, 76–78. [Lep.]

3100.—Warnecke, G. Verzeichnis der im Juli 1924 auf der Nordseeinsel Borkum beobachteten Gross-schmetterlinge. Intern. ent. Zs., Guben **18** 1925 pp. 234–236, 245–248. [Lep.]

3101.—Warnecke, G. Bitte um Mitarbeit an der Feststellung des Vorkommens der beidens *Anaitis*-Arten *plagiata* L. und *efformata* Guen. in Mitteleuropa (Lep. Geometr.). Intern. ent. Zs., Guben **18** 1925 pp. 270–272 2 figs.

3102.—Warnecke, G. Einige Bemerkungen über den Formenkreis der *Nychiodes obscuraria* Vill. (*lividaria* Hb.) und Beschriebung einer neuen Form der *Nychiodes dalmatina* Wagner : nov. subsp. *andreasaria* Warn. (Lep. Geometr.). Intern. ent. Zs., Guben **19** 1925 pp. 17–20.

3103.—Warnecke, G. Zur Verbreitung der beiden *Anaitis*-Arten *plagiata* L. und *efformata* Gn. insbesondere in Mitteleuropa (Lep. Geom.). Intern. ent. Zs., Guben **19** 1925 pp. 225–230.

3104.—Warren, B. C. S. A new European skipper. Trans. Ent. Soc. London **1924** pp. lvi–lvii 1 pl. [Lep.]

3105.—Warren, B. C. S. Some observations on Dr. R. Verity's recent article on Palaearctic Grypocera. Ent. Rec., London **37** 1925 pp. 128–131. [Lep.]

3106.—Wasmann, E. Die Larvenernährung bei den Ameisen. Mem. pont. Accad. n. Lincei, Rome (2) **6** 1923 pp. 67–87 1 fig. [Hym.]

3107.—Wasmann, E. Drei neue myrmecophile Staphyliniden (Col.). [252. Beitrag zur Kenntnis der Myrmecophilen.] D. ent. Zs., Berlin **1925** pp. 1–10 1 pl. 2 figs.

3108.—Wasmann, E. Zur Kenntnis der Gattung *Fustigerodes* Reitt. (Col. Pselaph.) 254. Beitrag zur Kenntnis der Myrmecophilen. D. ent. Zs., Berlin **1925** pp. 235–237 2 figs.

3109.—Wasmann, E. Kritische Bemerkungen zur Kenntnis der Myrmecophilen und Termitophilen. (255. Beitrag). Biol. Zentralbl., Leipzig **45** 1925 pp. 136–143.

3110.—Wasmann, E. Die Ameisenmimikry, ein exakter Beitrag zum Mimikryproblem und zur Theorie der Anpassung. Berlin 1925 pp. xii + 164 3 plates. [Hym.] [Not seen.]

Wasmann, E. *see* Hetschko & Wasmann.

3111.—Waterfield, E. M. Notes on the life-history of *Calopieris eulimine* Klug in the neighbourhood of Port Sudan. Trans. Ent. Soc. London **1925** pp. xxvi–xxviii. [Lep.]

3112.—Waterhouse, C. Account of the Zoological Collections made during the visit of H.M.S. "Petrel" to the Galapagos Islands. VII. Coleoptera. Proc. Zool. Soc. London **1877** pp. 77–82. [Hitherto unrecorded.]

3113.—**Waters,** E. G. R. Three additions to the British list of Tineina. Ent. Mo. Mag., London **61** 1925 pp. 82–89, 1 fig. [Lep.]

3114.—**Waters,** E. G. R. Tineina in the Oxford District. VI. Gracilariidae. Ent. Mo. Mag., London **61** 1925 pp. 188–196. [Lep.]

3115.—**Waterston,** J. On some Eulophid parasites (Hym. Chalcidoidea) of the oil palm Hispid beetle. Bull. Ent. Res., London **15** 1925 pp. 385–395 6 figs.

3116.—**Watkins,** H. T. G. New Callerebias (Lepidoptera, Satyridae). Ann. Mag. Nat. Hist., London (9) **16** 1925 pp. 233–237.

3117.—**Watson,** J. H. On the pouch-forming (sphragidal) fluid in *Parnassius*. Entomologist, London **58** 1925 pp. 246–248. [Lep.]

3118.—**Watson,** J. R. Additions to the Thysanoptera of Florida—XII. Florida Ent., Gainesville **8** 1924 pp. 50–52.

3119.—**Watson,** J. R. A new species of *Symphyothrips* (Thysanoptera) from Argentina. Florida Ent., Gainesville **9** 1925 pp. 29–30, 45.

3120.—**Weber,** H. Das Thorakalskelett der Lepidopteren. Ein Beitrag zur vergleichenden Morphologie des Insektenthorax. Zs. ges. Anat., Munich Abt. 1 **73** 1924 pp. 277–331 9 figs.

3121.—**Weber,** H. Der Thorax der Hornisse.Ein Beitrag zur vergleichenden Morphologie des Insektenthorax. Zool. Jahrb., Jena Abt. Anat. **47** 1925 pp. 1–100 4 pls. 43 figs. [Hym.]

3122.—**Weese,** A. O. Animal ecology of an Illinois elm-maple forest. Illinois Biol. Monogr., Urbana **9** (1924) 1925 pp. 345–438 7 pls. 15 tables.

3123.—**Wehrle,** L. P. The clover-seed caterpillar. Cornell Univ. Agric. Expt. Sta., Ithaca Bull. **428** 1924 34 pp. 13 figs. 12 tables. [Lep.]

3124.—**Wehrli,** E. I. Eine neue *Cidaria* aus den Gebirgen Corsicas, *Cid. cyrnea* sp. n. Schweiz. ent. Anz., Zürich **4** 1925 pp. 10–13 15 figs. [Lep.]

3125.—**Wehrli,** E. Ueber die von mir im Juni-Juli 1924 in Corsica erbeuteten Mikrolepidopteren mit Beschreibung zweier neuer Arten. D. ent. Zs. Iris, Dresden **39** 1925 pp. 133–137. [Lep.]

3126.—**Wehrli,** E. Neue und wenig bekannte paläarktische und südchinesische Geometriden-Arten and Formen. iii. Teil. Mitt. münchn. ent. Ges., Munich **15** 1925 pp. 48–60. [Lep.]

3127.—**Weiss,** H. B. Notes on the ratios of insect food habits. Proc. Biol. Soc. Washington **38** 1925 pp. 1–5 4 tables.

3128.—**Weiss,** H. B. Insect food habit ratios on Quelpart Island. Psyche, Boston **32** 1925 pp. 92–94.

3129.—**Weiss,** H. B. Insect food habit ratios in Death Valley vicinity. Ohio J. Sci., Columbus **25** 1925 pp. 253–254.

3130.—**Weiss,** H. B. & **West,** E. Insects and plants of dry woods in the pine barrens of New Jersey. Ecology, Brooklyn **5** 1924 pp. 241–253 3 figs. 3 tables.

3131.—**Weiss,** H. B. & **West,** E. Notes on the rush weevil, *Limnobaris rectirostris* Lec., in New Jersey. J. New York Ent. Soc. **32** 1924 pp. 196–197. [Col.]

3132.—**Weiss,** H. B. & **West,** E. Coleoptera in ocean drift. J. New York Ent. Soc. **33** 1925 p. 60.

3133.—**Weiss,** H. B. & **West,** E. An Adelid gall on Virginia creeper (Lepidoptera). Ent. News, Philadelphia **36** 1925 pp. 116–118 1 fig.

3134.—**Weiss,** H. B. & **West,** E. The insects and plants of a strip of New Jersey coast. Psyche, Boston **32** 1925 pp. 231–243 2 figs.

Weiss, H. B. *see* Mutchler & Weiss.

3135.—**Weiss,** P. Winkelmessungen am Schmetterlingsflügel. Arch. mikros. Anat., Berlin **104** 1925 pp. 409–420 5 figs. [Lep.]

3136.—**Weiss,** P. Tierisches Verhalten als "Systemreaktion." Biol. generalis, Vienna **1** 1925 pp. 167–248 29 figs. [Lep.]

3137.—**Welch,** A. E., **Burton,** R. W. & **Wiltshire,** E. P. Lepidoptera of the Cheltenham district. Rep. Cheltenham Coll. Nat. Hist. Soc. **1924** pp. 18–26.

3138.—**Weld,** L. H. Another gall that secretes honeydew. Bull. Brooklyn Ent. Soc. **20** 1925 pp. 175–179.

3139.—**Wellhouse,** W. H. The Insect fauna of the genus *Crataegus.* Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **56** 1922 pp. 1045–1136 13 figs.

3140.—**Werner,** F. Mantodea und Phasmodea. Beitr. Kennt. Fauna Deutsch-Südwestafrikas, Hamburg **2** 1923 pp. 105–132 2 figs. [Orth.]

3141.—**Werner,** F. Zur Kenntnis amerikanischer Mantodeen (Orthoptera Oothecaria). Konowia, Vienna **4** 1925 pp. 160–168.

3142.—**Werner,** F. Zur Kenntnis der Fauna der Insel Bonaire (Niederländisch - Westindien). Zs. wiss. Zool., Leipzig **125** 1925 pp. 554–556.

West, E. *see* Weiss & West.

3143.—**West,** L. S. New Phasiidae and Tachinidae from New York State. J. New York Ent. Soc. **33** 1925 pp. 121–135. [Dipt.]

3144.—**Westenberg,** J. De Hermelijnvlinder (*Dicranura vinula*). Levende Natuur, Amsterdam **30** 1925 pp. 215–217 2 figs. [Lep.]

3145.—**Wheeler,** W. M. Hymenoptera of Connecticut: Formicoidea. Conn. N.H. Surv., Hartford Bull. **22** 1916 pp. 577–601 1 pl.

3146.—**Wheeler,** W. M. A new case of parabiosis and the " ant gardens " of British Guiana. Ecology, Brooklyn **2** 1920 pp. 89–103 3 figs. [Hym.]

3147.—**Wheeler,** W. M. The finding of the queen of the Army Ant *Eciton hametum* Fabricius. Biol. Bull., Wood's Hole, Mass. **49** 1925 pp. 139–149 8 figs. [Hym.]

3148.—**Wheeler,** W. M. A new guest-ant and other new Formicidae from Barro Colorado Island, Panama. Biol. Bull., Wood's Hole, Mass. **49** 1925 pp. 150–181 8 figs. [Hym.]

3149.—**Wheeler,** W. M. Neotropical ants in the Collections of the Royal Museum at Stockholm. Part I. Ark. Zool., Stockholm **17A** no. 8 1925 pp. 1–55. [Hym.]

3150.—**Wheeler,** W. M. Les sociétés d' insectes ; leur origine, leur évolution. Paris. [Not seen.]

3151.—**Wheeler,** W. M. & **Chapman,** J. W. The ants of the Philippine Islands. Part I, Dorylinae and Ponerinae. Philipp. J. Sci., Manila **28** 1925 pp. 47–71 2 pls. [Hym.]

3152.—**Whitfield,** F. G. S. The relation between the feeding-habits and the structure of the mouth-parts in the Asilidae (Diptera). Proc. Zool. Soc. London **1925** pp. 599–638 2 pls. 15 figs.

3153.—**Whiting,** A. R. The inheritance of sterility and of other defects induced by abnormal fertilisation in the parasitic wasp, *Habrobracon juglandis* (Ashmead). Genetics, Brooklyn **10** 1925 pp. 33–58 1 pl. 5 tables 1 diagr. [Hym.]

3154.—**Whiting,** P. W. The analysis of genetic differences through haploid parthenogenesis. Eugenics, Genetics and the Family [sine loco] **1** 1923 pp. 102–105.

3155.—**Whiting,** P. W. Heredity in the honey-bee. J. Heredity, Washington **13** 1922 pp. 1–8 3 pls. 1 fig. [Hym.]

3156.—**Whiting,** P. W. & **Whiting,** A. R. Diploid males from fertilized eggs in Hymenoptera. Science, New York **62** 1925 p. 437. [Hym.]

3157.—**Wiebe,** A. H. Artificial fertilization of aquatic Insects. Ann. Ent. Soc. Amer., Columbus **18** 1925 pp. 45–48.

3158.—**Wieland,** P. R. Rhaetic crane-flies from South America. Amer. J. Sci., New Haven, Conn. (5) **9** 1925 pp. 21–28 1 pl. 2 figs. [Dipt.]

3159.—**Wileman,** A. E. The female of *Stauropus obliterata* Wileman (Lep. Notodontidae). Entomologist, London **58** 1925 p. 51.

3160.—**Wileman,** A. E. Notes on Japanese Lepidoptera and their larvae : Parts VIII, IX. Philipp. J. Sci., Manila **28** 1925 pp. 75–97, 279–292 3 pls.

3161.—**Wilke,** S. Der südafrikanische Formenkreis der Asidinen (Col. Tenebr.). D. ent. Zs., Berlin **1924** pp. 517–549.

3162.—**Willaume,** F. Caractères généraux et position systématique des Physapoda, Duméril-Burmeister. Rev. Zool. agric. & app., Bordeaux **24** 1925 pp. 1–12, 36–46, 53–59 17 figs. 2 pls. [Thysanop.]

3163.—Willem, V. Observations sur *Machilis maritima.* Bull. biol. France et Belgique, Paris **58** 1924 pp. 306–320, 2 figs. [Thysanura.]

3164.—Willemse, C. Revision der Gattung *Oxya* Serville (Orthoptera, Subfam. Acridiodea, trib. Cyrtacanthacrinae). Tijdschr. Ent., The Hague **68** 1925 pp. 1–60 65 figs.

3165.—Williams, C. B. Notes on insect migration in Egypt and the Near East. Trans. Ent. Soc. London **1924** 1925 pp. 439–456 2 figs.

3166.—Williams, C. B. The migrations of the painted lady butterfly. Nature, London **115** 1925 pp. 533, 535–537, 3 figs. [Lep.]

3167.—Williams, F. X. A prothetelous larva of *Monocrepidius exsul* (Elateridae, Coleoptera). Proc. Hawaiian Ent. Soc., Honolulu **6** 1925 pp. 211–212 1 fig.

3168.—Willis, J. A. Effects of different tensions of carbon dioxide on certain Orthoptera (Grasshoppers). Biol. Bull., Wood's Hole, Mass. **48** 1925 pp. 209–223 5 figs. 5 tables.

3169.—Wilson, C. B. Water beetles in relation to pondfish culture with life-histories of those found in fishponds at Fairpoint, Iowa. Bull. U.S. Bur. Fisheries, Washington **39** 1923–24 Document 953. [Not seen.]

3170.—Wilson, C. C. An improved insect net. J. Econ. Ent., Geneva, N.Y. **18** 1925 pp. 546–547 1 fig.

3171.—Wilson, E. H. A naturalist in Western China, 2 1913 229 pp. 101 pls., 1 map.

3172.—Wilson, G. F. The mining habit of *Otiorhynchus rugifrons* larvae. Ent. Mo. Mag., London **61** 1925 pp. 273–276 2 figs. [Col.]

Wiltshire, E. P. *see* Welch, Burton & Wiltshire.

3173.—Wimshurst, F. M. The cherry black fly (*Myzus cerasi*). Bull. Ent. Res., London **16** 1925 pp. 85–94 6 figs. [Hom.]

3174.—Winkler, A. Ergebnisse von Exkursionen auf Blindkäfer in der südlichen Herzegowina. (1. Beitrag zur Kenntnis der Blindkäferfauna). Koleopt. Rundsch., Vienna **11** 1925 pp. 137–148 5 figs. [Col.]

3175.—Winkler, A. Catalogus Coleopterorum regionis palaearcticae. Vienna **3, 4 & 5** 1925 pp. 241–624.

Winkler, F. *see* Brecher & Winkler.

3176.—Winkler, H. Verbreitung und Ursache der Parthenogenesis im Pflanzen und Tierreiche. Jena 1920 231 pp.

3177.—Winkler, H. Ueber die Rolle von Kern und Protoplasma bei der Vererbung. Zs. indukt. Abstammgslehre, Berlin **33** 1924 pp. 238–253.

3178.—Winn-Sampson, F. Some new Burmese Platypodidae described from specimens in the Civic Museum, Genoa. Ann. Mus. civ. Stor. nat., Genoa **51** (1923–25) 1923 pp. 71–75. [Col.]

3179.—Winn-Sampson, F. A new species of Platypodidae, genus *Crossotarsus*, from New Guinea. Nova Guinea, Leyden **15** 1924 pp. 89–90. [Col.]

3180.—Winn-Sampson, F. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913. 41. Platypodidae. Ark. Zool., Stockholm **17A** no. 16 1925 pp. 1–3. [Col.]

3181.—Withycombe, C. L. Some aspects of the biology and morphology of the Neuroptera. With special reference to the immature stages and their possible phylogenetic significance. Trans. Ent. Soc. London **1924** 1925 pp. 303–411 6 pls. 2 figs.

3182.—Withycombe, C. L. A contribution towards a monograph of the Indian Coniopterygidae (Neuroptera). Mem. Dept. Agric. India, Calcutta Ent. Ser. **9** 1925 pp. 1–19 4 pls.

3183.—Wohlfahrt, T. Aenderungen der Schmetterlingsfauna durch eine Neusiedelung. Ent. Zs., Frankfort on M. **39** 1925 pp. 141–142. [Lep.]

3184.—Wohnig, A. Eignet sich das Laub unserer Eichen zur zucht von *Pachypasa otus* ? Intern. ent. Zs., Guben **19** 1925 p. 243. [Lep.]

3185.—Wolcott, G. N. On the amount of food eaten by insects. J. Dept. Agric. Porto Rico, Rio Piedras **9** 1925 pp. 47–58.

3186.—Wolfrum, —. Anthribidae. Wissenschaftliche Ergebnisse der Bearbeitung der Coleopteren-Sammlung von Franklin Müller. (Beitrag II.) Ent. Mitt., Berlin **14** 1925 pp. 165–166.

3187.—Womersley, H. The Apterygota of the South-west of England. Part II. Ann. Rep. Proc. Bristol Nat. Soc. **6** 1924 pp. 166–172.

3188.—Womersley, H. Two new British Collembola. Ent. Mo. Mag., London **61** 1925 pp. 250–252 6 figs.

Wood, A. A. *see* Hudson & Wood.

3189.—Woodforde, F. C. Some notes on the collection of British Macrolepidoptera in the Hope Department of the Oxford University Museum. Entomologist, London **58** 1925 pp. 177–180.

3190.—Wünn, H. In Elsass-Lothringen vorkommende Schildlausarten. Zs. wiss. Insektenbiol., Berlin **20** 1925 pp. 114–124, 239–248. [Hom.]

3191.—Wünn, H. Zehn für die deutsche Fauna neue und einige schon bekannte seltenere Cocciden. Ent. Mitt., Berlin **14** 1925 pp. 202–205. [Hom.]

3192.—Wünn, H. Die Coccidenfauna Badens. 6. Mitteilung über Cocciden. Zs. angew. Ent., Berlin **11** 1925 pp. 273–296, 427–451 1 fig. [Hom.]

3193. — Yagi, N. Contribution towards the knowledge of the mosaic of the silkworm (*Bombyx mori*, L.). Ber. Ôhara Inst. landw. Forschungen, Kuraschiki **2** 1924 pp. 491–504 2 figs. 8 pls. [Lep.]

3194.—Yagi, N. The cocoon-tinge of *Bombyx mori* and its tropistic response to various colours. Dobuts. Z. [Zool. Mag.], Tokyo **35** 1923 pp. 71–77 2 figs. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (111).) [Lep.]

3195.—Yamada, S. A revision of the adult Anopheline mosquitoes of Japan: systematic descriptions, their habits and their relations to human diseases, together with an account of three new species. Sci. Repts. Govt. Inst. Infect. Diseases, Tokyo **3** 1924 pp. 215–241. [Dipt.]

3196.—Yamada, Y. Life-histories of some moths in Manchuria, II. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 225–232 1 pl. 1 fig. (In Japanese). (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (108).) [Lep.]

3197.—Yanagihara, M. Observations on a certain firefly. Konchû Sekai [Insect World], Gifu **27** 1923 pp. 368–370 1 pl. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (109).) [Col.]

3198.—Yazaki, M. Sur une nouvelle espèce de Lycaenidae originaire de Yakushima, Japan. Dobuts. Z. [Zool. Mag.], Tokyo **35** 1923 pp. 391–395 4 figs. (In Japanese with French summary.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (113).) [Lep.]

3199.—Yokoyama, K. The variation of the wing spots of garden white Butterflies in the autumn generation. Dobuts. Z. [Zool. Mag.], Tokyo **34** 1922 pp. 834–845. (In Japanese.) [Abstract in Jap. J. Zool., Tokyo **1** 1924 p. (62).] [Lep.]

3200.—Yokoyama, K. Staphylinid beetles of the seaside. Konchû Sekai [Insect World], Gifu **26** 1922 pp. 328–331, 361–365. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (106).) [Col.]

3201.—Yokoyama, K. Some remarkable forms of pale clouded yellow butterflies in Japan. Konchû Sekai [Insect World], Gifu **26** 1923 pp. 9–11, 39–42 4 figs. (In Japanese.) (Abstract in Jap. J. Zool., Tokyo **1** 1925 p. (104).) [Lep.]

3202.—Yokoyama, K. Studies on the Japanese Dermestidae, I. [In Japanese.] Imp. Sericult. Expt. Sta., Tokyo Rept. **7** 1925 pp. 65–118 3 pls. [Col.]

3203.—Yokoyama, K. Studies on the *Glyphodes pyloalis* Walker of Japan. Contribution I.—Bionomics and external anatomies. Bull. Imp. Sericult. Expt. Sta. Japan, Tokyo **2** 1925 pp. 47–101 3 pls. [Lep.]

3204.—Yonge, C. M. The digestion of cellulose by invertebrates. Sci. Progress, London **20** 1925 pp. 242–248.

3205.—Young, B. P. Attachment of the abdomen to the thorax in Diptera. Cornell Univ. Agric. Expt. Sta., Ithaca Mem. **44** 1921 pp. 255–282 24 pls. 1 chart 1 fig.

3206.—Yung-Tai Tchang. La parthénogénèse naturelle chez *Galleria*

mellonella, Lin. C.R. Soc. Biol., Paris **93** 1925 pp. 428–430. [Lep.]

Yusope, M. *see* Gater & Yusope.

3207.—Zachvatkin, A. Beschreibung einer neuen Art der Homopteren-Gattung *Philaenus* Stål. Ent. Mitt., Berlin **14** 1925 pp. 109–112.

3208.—Zaitzev, P. Les espèces du genre *Dromius* Bon. dans la collection de Motschulsky (Coleoptera, Carabidae). [In Russian with French summary.] Rev. russe Ent., Leningrad **18** 1924 pp. 245–250.

3209.—Zakolska, Z. L'orogénèse chez *Dirippus morosus* (mitochondries, appareil Golgi). Kosmos, Lemberg **45** 1920 pp. 16–44 2 pls. [Orth.]

3210.—Zanon, V. Contributo alla conoscenza della fauna entomologica di Bengasi. Ortotteri di Bengasi. Mem. pont. Accad. n. Lincei, Rome (2) **7** 1924 pp. 229–249. [Orth.]

3211.—Zavattari, E. Ricerche morfologiche ed etologiche sul dittero alofilo *Ephydra bivittata* Loew. Mem. R. Com. talassogr. ital., Venice **83** 1921 pp. 1–58 5 pls. [Dipt.]

3212.—Zavřel, J. Die Mundteile der Tanypinen-Larven. Bull. intern. Acad. Sci., Prague **21** 1917 pp. 247–262 19 figs. [Dipt.]

3213.—Zavřel, J. Ueber Atmung und Atmungsorgane der Chironomidenlarven. Bull. intern. Acad. sci., Prague **22** 1920 pp. 120–129. [Dipt.]

3214.—Zavřel, J. Konvergenzerscheinungen beim Gehäusebau der Chironomiden und der Trichopterenpuppen. Zool. Anz., Leipzig **62** 1925 pp. 267–272.

3215.—Zawarzin, A. Der Parallelismus der Strukturen als ein Grundprinzip der Morphologie. Zs. wiss. Zool., Leipzig **124** 1925 pp. 118–212 3 pls. 17 figs.

3216.—Zelezny, Z. Neue Falter-Aberrationen aus Mähren. Zs. österr. Ent.-Ver., Vienna **1** 1916 p. 20, 1917 p. 37 1 fig. [Lep.]

3217.—Zelinsky, N. D. Die Metallisierung von Organismen. Biochem. Zs., Berlin **146** 1924 pp. 91–95.

3218.—Zerkowitz, A. Bericht über den dritten Internationalen Kongress für Entomologie. Intern. ent. Zs., Guben **19** 1925 pp. 209–211.

3219.—Zerny, H. Zwei neue Lepidopteren-arten von der Serra do Itatiaya in Brasilien. Anz. Akad. Wiss., Vienna **60** (1923) 1924 pp. 50–51.

3220.—Zimmermann, A. Gyrinidae. Neue *Dineutes*-Arten aus Neu-Guinea. Nova Guinea, Leyden **15** 1924 pp. 1–4. [Col.]

3221.—Zimmermann, A. Beiträge zur Kenntnis der südamerikanischen Wasserkäfer. Boll. Mus. Zool. Anat. comp. Torino **39** (1924) 1925 N.S. no. 29 4 pp. [Col.]

3222.—Zimmermann, A. Drei neue Dytisciden aus São Paulo (Brasilien). (Dytisc.) Ent. Mitt., Berlin **14** 1925 pp. 254–256. [Col.]

Zolotarewsky, B. *see* Faure & Zolotarewsky.

3223.—Zorin, P. Contributions à la biologie de l'*Apanteles gabrielis* Gaut. et Riel. [In Russian.] Défense des Plantes, Leningrad **2** 1925 pp. 138–147 10 figs. [Hym.]

3224.—Zschokke, F. Collembolen aus Spitzbergen. Rev. Hydrob. suisse, Aarau **3** 1925 pp. 127–128.

3225.—Züllich, R. Einiges über *Lycaena thersites* Cantener. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 103–106, 113–115. [Lep.]

3226.—Zulueta, A. de. La herencia ligada al sexo en el coleóptero *Phytodecta variabilis* (Ol.). Eos, Madrid **1** 1925 pp. 203–229 1 pl.

3227.—Zürcher, L. Halmfliegen und Massenansammlungen von solchen. Mitt. aargauischen natf. Ges., Aarau **17** 1925 pp. 70–79 2 figs. [Dipt.]

3228.—Zusanek, R. Ueber die Formen von *Colias hyale* L. Zs. österr. Ent.-Ver., Vienna **3** 1918 p.36. [Lep.]

3229.—Zusanek, R. Einige neue Lepidopteren-Formen. Zs. österr. Ent.-Ver., Vienna **10** 1925 pp. 60–62.

3230.—Zweigelt, F. Beiträge zur Macrolepidopteren fauna der österreichischen Alpenländer. Zs. österr. Ent.-Ver., Vienna **3** 1918 pp. 1–4, 9–12, 17–20, 29–32, 41–43, 53–56, 4 figs.

II.—SUBJECT INDEX.

N.B.—*The full reference may be obtained from "Titles" by means of the Author's name and number.*

General.

Treatises, General Works.

Balfour-Browne, Concerning the habits of Insects, **115**; Barbey, Forest Entomology, **134**; Berlese, Gli Insetti (cont.), **210**; Blake, Enemies of timber; dry rot and the deathwatch beetle, **267**; Comstock, Introduction to Entomology (1st complete edn.), **591**; Cuénot, treatise on adaptation, **639**; Davis, Relation of insects to human life, **682**; Dingler, Household insects and their control, **728**; Fox, Insects and diseases of man, **989**; Handlirsch, handbook of Entomology, **1179**; Imms, A general textbook of Entomology, **1430**; Keler, An attempt to apply mathematical statistical methods to systematic entomology, **1546**; Reh, insects injurious to plants, **2455**; Snodgrass, Anatomy and physiology of the honeybee, **2806**.

Historical.

Adkin, Entomology, ancient and present day, **20**; Henriksen, History of Danish Entomology, **1278**; Horn, Third International Entomological Congress at Zurich, **1366**; Lindner, History of Dipterology, **1808**.

Nomenclature.

Heikertinger, **1238**; Lenz, use of terms race, subspecies, variety, &c., **1772**; Lindsey, **1813**.

Bibliography.

List of Dr. Nelson Annandale's papers, Rec. Ind. Mus., Calcutta **27** 1925 pp. 1–28; Alfken, list of Pfankuch's papers on Ichneumonidae, D. Ent. Zs., Berlin **1924** pp. 549–551; Colcord, list of papers by Walter David Hunter, Proc. Ent. Soc. Washington **27** 1925 pp. 176-181; Cresson, General Entomology, **627**; Donisthorpe, list of author's non-myrmecophilous papers, **754**; Fletcher, list of publications on Indian entomology in 1923 and 1924, **957**; Hasebroek, list of papers on melanism in Lepidoptera, **1208**; Maidl, list of papers by F. F. Kohl, Konowia **4** pp. 89–96; Parshley, bibliography of N. American Heteroptera, **2237**; Sherman, Some entomological and other bibliographies, **2767**.

Technique, Methods.

How to collect eggs and larvae of mosquitos, **2**; Barthe, collecting, rearing and preservation, **159**; Bertrand, capture and rearing of larvae of aquatic Coleoptera, **217**; Börner, formular representation of life-cycles, **311**; Buysson, collecting, **430**; Clément, collecting by electric violet rays, **538**; Cuno, breeding Lepidoptera, **641**; Ebert, how to kill Zygaenidae (Lep.), **811**; Grace, methods of studying the smaller Diptera, **1101**; Gros, breeding Ephemeroptera, **1135**; Harder, trapping by bait, **1190**; Hartley, useful cage for rearing small insects on growing plants, **1201**; Heikertinger, methods of rearing insects, **1239**; Hepp, **1282**; Hoffmann, collecting Veliidae (Hem.), **1337**, killing bottle for Lepidoptera, **1341**; Hutchinson, technique of Insect histology, **1418**; Knoch, baits, **1620**, hints on keeping collections, **1621**; Lax, baits, **1731**; Lienhart, preparation of Orthoptera to preserve colour, **1803**; Lomnicki, labelling beetle collections, **1826**; Maire, use of different inks in labelling collections, **1886**; Mertz, setting butterflies, **1989**; von Ochmann, construction of a thermostat, **2166**; Pitzer, preparation of Odonata and Orthoptera, **2343**; Ressler, baits, **2477**; Scheerpeltz, methods of setting, **2629**, the Reichert microscope, **2630**; Schepp, preparation of butterflies, **2636**; Schilsky, collecting Coleoptera, **2640**; Schultz, setting, **2686**; Shestakov, instructions for collecting insects, **2770**; Sinton, methods of collecting and preserving *Phlebotomus* (Dipt.), **2785**; Smith, a simple method of breeding sandflies (*Phlebotomus*), **2802**; Stauder, relaxing Lycaenidae, **2859**; Tempère, preparation of Coleoptera, **2933**, how to collect Insects, **2934**; Torre Bueno, methods of collecting, mounting and preserving Hemiptera, **2974**; Tschauner, breeding of silk spinners (Lep.), **2986**; Uvarov, collecting and preserving Orthoptera, **3008**; Voelschow, breeding of hybrids, **3069**; Walden, photographing insects, **3093**;

WILSON, an improved insect net, **3170**; ZELINKSY, the "metallisation" (=rendering metallic) of insects by means of chemicals, **3217**.

Classification.

ALPATOV, classification of categories lower than spp. among ants, **60**; SEITZ, principles on which names are given to groups, families, &c. (Lep.), **2741**.

Miscellaneous.

BUGNION, terminology of mouth-parts, **405**; CLERMONT, the Entomological Museum of Guerreaux, **542**; ELTON, periodic fluctuations of insects, **844**; MCATEE, policies relating to type specimens of insects, **1859**; MEISSNER, entomological etymology, **1964**; OCHS, scientific aims in Entomology and specialisation, **2168**; SEITZ, numbers of specimens that should be collected, **2740**.

MORPHOLOGY.

General Anatomy.

EXT, *Meligethes aeneus* (Col.), **906**; GENIEYS, *Habrobracon brevicornis* (Hym.), **1050**; LAZARENKO, composition of connective tissue of insects, **1733**, **1737**; LESTAGE, Ephemerellidae and Brachycercidae (Ephem.), **1786**; LINDNER, Diptera, **1808**; KARNY, Insect structure and terminology, **1521**; PERKINS, Sawflies, **2258**; POISSON, aquatic Hemiptera, **2351**; SAUNDERS, *Apelma* and *Thyridomyia* (Dipt.), **2505**; SCHNEIDER-ORELLI & LEUZINGER, fused or free marginal tubercles in *Phylloxera* (Hom.), **2669**; SCHULZ, *Anthonomus pomorum* (Col.), **2691**; SHIBATA, Aphidae, **2773**; SIMM, *Phytomyza lateralis* (Dipt.), **2783**; SMULYAN *Tenthredella* (Hym.), **2805**; TÖRNE, exoskeleton, **2973**; ULMER, Trichoptera, **3004**; ZAVATTARI, *Ephydra bivittata* (Dipt.), **3211**; ZAWARZIN, parallelism of structure as ground principle of morphology, **3215**.

Head.

BISCHOFF, Orthorrapha-Brachycera larvae, **244**; CRAMPTON, *Periplaneta americana*, **615**; KLOSKA, circulatory system of head of *Blatta*, **1601**; KRÜGER, female bumble-bees (Hym.), **1675**; MEIJERE, Diptera, **1959**; MERCIER & VILLENEUVE, ptilinus and ptilino-pharyngeal muscle in Diptera, **1987**; SMRECZYŃSKI, construction and position of glands in head of *Strophosomus capitatus* (Col.), **2804**.

Mouth-parts.

ALPATOV, proboscis of honey-bee, **59**; BROCHER, larvae of *Psylla pyrisuga*, **370**; BUGNION, *Chalicodoma muraria*, *Scolia bidens*, *S. flavifrons*, *Xylocopa violacea* (Hym.), **404**; BUGNION, *Vespa crabro*, **406**; CRAMPTON, phylogenetic study of labium of holometabolous insects, **614**; GOETGHEBUER, "premandibles" of larvae of Diptera Nematocera, **1082**; HUBAULT, *Medeterus* (Dipt.), **1390**; LESTAGE, larva of *Polystoechotes* (Neur.), **1788**; LIU, acroglossal buttons and submentum of Hymenoptera, **1817**; WHITFIELD, relation between feeding-habits and mouth-parts in Asilidae (Dipt.), **3152**; ZAVREL, Tanypinae (Dipt.), **3212**.

Eyes.

CORNELI, ocelli of sawfly larvae and development of facetted eyes, **596**; EGGERS, Diopsidae (Dipt.), **831**; ELTRINGHAM, ocelli in *Plusia gamma*, **849**; MEIJERE, Diptera, **1959**; RICHARDS & FURROW, normal and eyeless *Drosophila*, **2486**.

Antennae.

BLUNCK & SPEYER, antennae of *Hydrous piceus* as secondary respiratory organs, **280**; ESAKI, abnormal antennae in Hemiptera, **879**; FORBES, pectinate antennae in Geometridae, **974**; LIEBERMANN, Muscidae, **1799**; MEIJERE, Diptera, **1959**; VILLENEUVE, variations in length of antennae of Tachinidae, **3063**.

Thorax.

AUEL, deformation of thorax of *Melolontha*, **95**; CRAMPTON, relationship indicated by the thoracic sclerites of Tipuloid Diptera, **612**, thoracic sclerites of non-tipuloid Nematocerous Diptera, **613**; FEUERBORN, segmentation of thorax, **934**; FULLER, thoracic sclerites of winged termites, **1025**; WEBER, Insecta, **3120**, *Vespa crabro*, **3121**; YOUNG, attachment of abdomen to thorax in Diptera, **3205**.

Legs.

JEANNEL, morphology and origin of tarsal claws, **1463**, homologies of leg segments, **1465**.

Wings.

CHAMPION, metallic colouring of lower surface of elytra in certain Staphylinidae, Ent. Mo. Mag., London **61** 1925 p. 115; COCKERELL & HARRIS, Meloidae (Col.), **569**; CUÉNOT, inversion of grooves in wings of Coleoptera, **638**; FORBES, hypothetical wing of the Hymenoptera, **973**; GOOD, wing venation of Buprestidae, **1093**; HASEBROEK, Lepidoptera, **1209**; KARNY, development of wings in *Gryllacris* (Orth.), **1529**; KATO, elytra of Coleoptera, **1534**; KUWAYAMA, Chrysopidae, **1697**; LINDSEY, Pterophoridae, **1812**; MARTYNOV, neuration and tracheation in Odonata and Ephemeroptera, **1923**, evolution of two different forms of wings, **1924**, **1930**, facetic organs on wings of Trichoptera, etc., **1926**; PETKOW, irregularity of venation of *Lymantria dispar* (Lep.), **2267**; PHILPOTT, wing coupling apparatus in *Sabatinca* and other primitive Lepidoptera, **2283**, wing-coupling apparatus of Hepialidae, **2286**; POISSON, loss of wings in Hemiptera, **2351**, persistence of wing muscles in brachypterous Hemiptera, **2354**; SCHWANWITSCH, dislocation of wing pattern in *Pierella* (Lep.), **2702**; TEODORO, apparatus for linking elytra and wings in Heteroptera, **2937**; WEBER, *Vespa crabro*, **3121**; WEISS, measurements of angles of wings, **3135**.

Abdomen.

CRAMPTON, *Periplaneta americana* (Orth.), **615**; ELTRINGHAM, abdominal brushes in certain male Noctuid moths, **845**; FORBES, second abdominal pleurite in higher Coleoptera, **975**; LENGERKEN, Coleoptera, **1768**; WILLEM, rôle of abdominal vesicle in *Machilis maritima*, **3163**.

Alimentary System.

BERLESE, Insecta, **210**; COGNETTI DE MARTIIS, Diptera, rectal glands, **577**; EVENIUS, development of mid intestine in *Apis mellifica*, **900**, "Krypten" cells and epithelial regeneration in mid intestine of *Apis mellifica*, **901**; KNOWLTON, digestive tract of *Longistigma caryae* (Aphidae), **1625**; ORLOV, histology of nervous system of alimentary canal, **2198**; POISSON, aquatic Hemiptera, **2351**; SALFI, epithelium of mesointestine of *Locusta danica*, **2587**; SCHULZE, Mycetophilid larvae (Dipt.), **2693**; WITHYCOMBE, Neuroptera, **3181**.

Circulatory System.

BERLESE, Insecta, **210**; KLOSKA, in head of *Blatta*, **1601**; KUHL, **1679**.

Nervous System.

HANSTRÖM, larval and adult brains of *Pieris brassicae*, **1188**; HILTON, nerve endings, **1308**, functional divisions of the nervous system of insects, **1309**, the peripheral nervous system, **1310**; ORLOV, sympathetic nervous system of larvae of *Oryctes* (Col.), **2197**, nervous system of alimentary canal, **2198**; ROGOZINA, nerves of abdominal segments of larvae of *Aeschna* (Odon.), **2526**; SOROKINA-AGAFONOWA, nervous system in metamorphosis, **2821**; WITHYCOMBE, Neuroptera, **3181**; ZAWARZIN, convergence in the structure of parts of the nervous system, **3215**.

Sense Organs.

BERLESE, Insecta, **210**; ELTRINGHAM, new organ (Chaetosoma) in certain Lepidoptera, **846**; LIEBERMANN, antennal organs of smell in Muscidae, **1799**; LUNDBLAD, auditory hairs in Neuroptera and Psocoptera, **1846**; VOGEL, a tympanal sense organ in a Cicada, **3070**; WACKER, antennal sense organs of Hymenoptera, **3082**; WITHYCOMBE, Neuroptera, **3181**.

Reproductive System.

BOULANGÉ, copulatory apparatus in Hymenoptera, **320**; BUGNION, *Mantis religiosa* and *Empusa egena*, **403**; BUYS, gonapophyses of Cicadellidae, **427**; CHAMPY, dysharmony, **489**; CRAGG, *Cimex*, impregnation, **611**; DOBRZHANSKY, Coccinellidae, **742**; ELTRINGHAM, on the source of the sphragidial fluid in *Parnassius apollo* (Lep.), **847**; EYER, comparison of male genitalia of Palaeosetidae with those of other Lepidoptera Homoneura, **907**; FRESCA, male genitalia of *Degeeriella* (Malloph.), **998**; HARMAN, *Apotettix eurycephalus* (Orth.), **1195**; HUCKETT, Anthomyiinae (Dipt.), **1394**; IWANOWA, *Locusta migratoria* (Orth.), **1438**; KARNY, *Gryllacris* (Orth.), **1529**; MACHIDA, ovary of *Bombyx mori*, **1881**; MINKIEWICZ, ovipositor of *Psylla mali* (Hom.), **2017**; MUIR, *Cupes concolor* (Col.), **2067**, status of the anterior processes of the male genitalia in Homoptera, **2068**; MÜLLER-RUTZ, Lepidoptera, **2086**; PHILPOTT, eighth

abdominal segment and genitalia of *Lindera tessallatella* (Lep.), **2284**; POISSON, aquatic Hemiptera, **2351**; PRUTHI, homologies of the genital duct, **2404**, male genitalia in Rhynchota, **2406**; QUAST, *Ephestia kuehniella*, **2416**; REUSS, bursa uncalis in female Satyridae (Lep.), **2478**; REVERDIN, *Melitaea athalia* and *pseudathalia*, **2479**; RIBAUT, Pentatomidae, **2483**; SCOTT, probable parasitic castration in Anobiidae (Col.), **2710**; SINTON, *Phlebotomus* ♀ (Dipt.), **2785**; SMIRNOV, male genital system in Diptera, **2793**, Syrphidae (Dipt.), **2798**; SPETT & LEVITT, Chrysomelidae, **2832a**: STORCH, ovipositor of Libellulidae, **2877**; VOGEL, *Periplaneta orientalis*, **3071**; WARNECKE, *Anaitis* spp. (Lep.), **3103**; WITHYCOMBE, Neuroptera, **3181**.

Respiratory System.

BERLESE, Insecta, **210**; CARPENTIER, double spiracle in some Orthoptera, **463**; HUFF, "sun-ray" structure in posterior spiracles of some Muscoid larvae, **1397**; KEMPER, *Psychoda phalaenoides*, tracheal system, **1553**; LUCAS, caudal lamellae of naiads of Zygopterid dragonflies, **1832**; MONTSCHADSKY, anatomy and function of breathing apparatus of Culicid larvae, **2037**; SCHULZE, tracheal system of Mycetophilid larvae (Dipt.), **2693**; SZABÓ-PATAY, *Aphelochirus* (Hem.), **2908**; ZAVŘEL, Chironomidae (Dipt.), **3213**.

Myology.

EIDMANN, pharyngeal muscles of *Periplaneta*, **838**; FULLER, thoracic muscles of winged termites, **1025**; MERCIER & VILLENEUVE, ptilinopharyngeal muscle (Dipt.), **1987**; POISSON, loss of power of flight in *Gerris lacustris* (Hem.), **2350**; TORNE, Insecta, **2973**; WEBER, hornets, **3121**.

Excretory System.

MISSIROLI, Malpighian tubes in hibernating *Anopheles*, **2022**.

Fat-body.

DEHORNE, complex myelinic body on fat-body of cockroach, **693**; LAZARENKO, regeneration in larva of *Oryctes* (Col.), **1734**; POISSON, aquatic Hemiptera, **2351**; VEJDOVSKY, pupa of honey-bee, **3042**.

Glands.

BERLESE, Insecta, **210**; BETHUNE-BAKER, scent-sacs in *Rhodogastria* (Lep.), **221**; COGNETTI DE MARTIIS, rectal glands of Diptera, **577**; DETWILER, ventral prothoracic gland of Notodontid caterpillars (Lep.), **718**; DIXEY, scent glands (Lep.), **732**; ELTRINGHAM, abdominal glands in *Heliconius* (Lep.), **818**; GILMER, poison apparatus of certain Lepidopterous larvae, **1066**, **1067**; HASE, silk glands of *Ephestia kuehniella*, **1206**; LENGERKEN, scent glands in *Tenebrio molitor*, **1769**; LOZINSKI, spinning glands of Vespid larvae, **1831**; MARTYNOV, facetic organs on the wings of Trichoptera, etc., **1926**; PHILPOTT, abdominal scent-organ in *Sabatinca* and other primitive Lepidoptera, **2285**; POISSON, aquatic Hemiptera, **2351**; PRELL, sticky secretion of *Cionus* larvae (Col.), **2378**; SCHULTZ, abdominal scent apparatus in *Agrotis*, **2684**; SMRECZYŃSKI, construction and position of glands in head of *Strophosomus capitatus* (Col.), **2804**; TONKOV, anal glands, **2937**; WATSON, pouch-forming (sphragidial) fluid in *Parnassius* (Lep.), **3117**; WILSON, wax production by *Coccus pela* (Hom.), **3171**; WITHYCOMBE, Neuroptera, **3181**.

Circulatory System.

BISHOP, body fluid of honey-bee larva, **246**; LAZARENKO, histology of blood, **1737**; POISSON, blood of aquatic Hemiptera, **2351**.

Scales.

JARVIS, vestiture of *Lepidoderma* (Col.), **1458**.

Sexual Dimorphism.

LIEBERMANN, antennal organs of smell in Muscidae, **1799**; REICHELT, *Lymantria dispar*, scale and colour development in connection with sexual dimorphism, **2462**.

Larvae.

BODENHEIMER, *Tipula oleracea*, (Dipt.), **287**; HAMILTON, Cicindelidae, **1174**; OERTEL, *Carabus granulatus* (Col.), **2173**; RIPLEY, Noctuidae (Lep.), **2507**; SCHULZE, Mycetophilidae (Dipt.), **2693**; SÓEGOLEVA-BAROVSKAJA, termitophilous Tineid larva, **2609**; STEENBERG, *Phronia* (Dipt.), **2861**; SURCOUF & GUYON, *Gastrophilus equi* (Dipt.), **2895**.

Eggs.

DELLA CORTE, thickness of egg shell in *Bombyx*, **697**; EMDEN, egg-bursters in Coleoptera, etc., **850**; EPHRUSSI, *Drosophila* (Dipt.), **873**; KUWAYAMA, Chrysopidae, **1693**; LACROIX, Chrysopidae, **1709**; RITTERHAUS, egg-burster in *Phyllopertha* and *Anomala*, **2508**.

PHYSIOLOGY.

General and Miscellaneous.

BECKER, position of Acrididae at death resulting from various alkaloid poisons, **168**; COTTE & TIAN, basal metabolism of *Musca domestica*, **607**; EBNER, auto-haemorrhage in *Pycnogaster bolivari* (Orth.), **812**; FINK, metabolism during embryonic and metamorphic development, **943**, physiology of hibernation, *Leptinotarsa*, **944**; HELLER, nymphal metabolism of insects, **1254**; NOETZEL, insect poisons, **2144**; STROHL, production of poison and functional relation of poisons to hormones and odours, **2886**.

Respiration.

BLUNCK & SPEYER, antennae of *Hydrous piceus* as secondary respiratory organs, **280**; BODINE & ORR, *Drosophila*, **290**; DU BUISSON, *Locusta*, *Lophyrus*, *Melolontha*, *Dytiscus*, *Hydrophilus*, **408**; CLARE, oxygen metabolism in *Drosophila*, **532**; DODDS & HISAW, size of respiratory organs in relation to environmental conditions, **747**; GROS, *Ecdyonurus forcipula* (Ephem.), **1136**; LEE, mechanism of respiration in certain Orthoptera, **1758**; SCHOENEMUND, larvae of Plecoptera, **2672**; ZAVŘEL, Chironomidae, **3213**.

Digestion.

CLEVELAND, digestion of wood by Termites, **544–7**; SWINGLE, digestive enzymes, **2906**; YONGE, digestion of cellulose by invertebrates, **3204**.

Excretion.

EASTHAM, peristalsis in Malpighian tubules of Diptera, **810**; POISSON, excretion of uric acid in Hemiptera, **2352**.

Functions, Various.

ABBOTT, associative memory in *Anax junius* (Odon.), **3**, relative importance of vision and the chemical sense in *Anax* larvae, **4**; ALVERDES, movement and attitude in insects after interference with the brain, **65**, behaviour of *Notonecta* when blinded (Hem.), **66**; BERLESE, Insecta, nervous system, **210**; HILTON, functional divisions of the nervous system of insects, **1309**.

Senses.

DAHLGREN, hearing in *Microcentrum rhombifolium* (Orthop.), **666**; EGGERS, hearing, **830**; KRÖNING, hearing of bees, **1671**; LIEBERMANN, antennal organs of smell in Muscidae, **1799**; MEISSNER, **1962**; RÖHER, senses in connection with colour and life-history, **2531**; STAUDER, hearing of Lepidoptera, **2850**; VERLAINE, *Bombus* and *Vespa*, **3046**; WACKER, antennal sense-organs of Hymenoptera, **3082**.

Chemistry.

BODINE, hydrogen ion concentration of alimentary tract and blood, **288**; BRECHER & WINKLER, dioxyphenylalanin (dopa) reaction in cocoons, **344**; CLARE, oxygen metabolism in *Drosophila*, **532**; EASTHAM, elimination of calcium carbonate from Malpighian tubules of *Drosophila*, **810**; HARNISCH, variation of iron contents in Chironomid larvae (Dipt.), **1196**; HEMMINGSEN, influence of insulin on blood sugar of butterfly larvae, **1263**, blood sugar in butterfly larvae, **1264**; HOLLANDE, development of urates in Acrididae, **1349**; MÜLLER, lime in cuticle, **2082**; PALLADIN, formation of uric acid in *Blatta*, **2211**; SATO & BRECHER, dioxyphenylalanin (dopa) and tyrosin action on chromogens of Lepidoptera, **2603**; SCIACCHITANO, formation of dioxyphenylalanin (dopa) in cocoons of *Lophyrus pini* (Hym.), **2708**; WILLIS, effects of different tensions of carbon dioxide on certain Orthoptera, **3168**.

Effects of various Stimuli.

BALDI, *Galleria mellonella*, effect of X-rays on larvae and adults, **113**; BODINE, effect of temperature on embryonic development in Orthoptera, **289**; CROZIER & FEDERIGHI, velocity of biological phenomena and law of temperature, **635**; JANISCH, dependence of development on temperature, **1453**; KOPEĆ, influence of thyroid gland on metamorphosis and weight of insects, **1637**; NECHELES, effects of

higher temperatures on insects, **2129**, effects of humidity on behaviour of *Anopheles*, **2130**; OCHMANN, effect of varying temperature and of gas on Lepidoptera as pupae, **2165**; PASSERINI, influence of different foods on growth of *Tenebrio*, **2238**; POLICARD & PAILLOT, influence of ultra-violet rays on production of silk, **2358**; REMY, effect of ingestion of iodothyrine, **2475**; STICKNEY, reaction of nymphs of *Libellula pulchella* to acid and temperature, **2873**; TERAO & NAOKI, effects of thyroid on silkworms, **2940**; TITSCHACK, influence of temperature in development of *Tineola biselliella* (Lep.), **2966**.

Vitality and Longevity.

BERLESE, Insecta, **210**; MARTIN & BACOT, survival of *Xenopsylla cheopis* away from host (Siphonapt.), **1919**; MECKE, tenacity of life in caterpillars of *Macrothylacia rubi* (Lep.), **1953**.

Decapitation, Transplantation, etc.

GADEAU DE KERVILLE, decapitation of caterpillars at moment of pupation, **1029**; KAHN, transplantation of head, *Carausius* (Orth.), **1510**; LAZARENKO, healing of skin wounds in insects, **1735**; OUDEMANS, transplantation of heads, **2205**; PATIJAUD, successful mating and oviposition of *Bombyx quercus* after decapitation, **2240**; PRUTHI, influence of wounds on metamorphosis, **2407**.

DEVELOPMENT.

Spermatogenesis.

BOWEN, acrosome in insects, **337**; HAYDEN, karyosphere and synopsis in *Phanaeus* (Col.), **1226**; JANSSENS, *Stethophyma* and *Chorthippus* (Orth.), **1455**; MALAN & MALAN, *Locustana pardalina*, **1888**; NATH, mitochondria and sperm-tail, **2106**; PATTERSON, haploid males in *Paracopidosomopsis* (Hym.), **2242**; PEACOCK, haploidy in male sawfly, **2246**; PEHANI, *Carausius* and *Bacillus* (Orth.), **2251**; SEILER & HANIEL, *Lymantria monacha* (Lep.), **2738**; STEOPOE, *Nepa cinerea* (Hem.), **2864**; VOÏNOV, *Gryllotalpa vulgaris* (Orth.), **3072**.

Oogenesis.

SEILER & HANIEL, *Lymantria dispar* (Lep.), **2738**; VOÏNOV, *Gryllotalpa vulgaris* (Orth.), **3072**; ZAKOLSKA, *Dixippus morosus* (Orth.), **3209**.

Embryology.

BODINE, effect of temperature on embryonic development in Orthoptera, **289**; BRAUER, *Bruchus quadrimaculatus* (Col.), **339**; BUGNION, *Mantis religiosa* and *Empusa egena* (Orth.), **403**; CAPPE DE BAILLON, embryogenesis of double monsters in *Carausius* (Orth.), **454**; GRANDORI, blastokinesis in *Pieris brassicae*, **1108**; HERTWIG, influence of over-ripening of sex cells on sex of *Lymantria dispar*, **1296**; OERTEL, *Carabus granulatus* (Col.), **2173**; OGLOBLIN, rôle of blastoderm in development of *Dinocampus terminatus* (Hym.), **2176**; PIGORINI, catalyst in eggs of *Bombyx mori*, **2333**; REITH, development of eggs of *Musca* after removing their various parts, **2472**; WIEBE, artificial fertilisation of aquatic insects, **3157**.

Cytology.

BISHOP, histolytic changes during metamorphosis in bee larva, **247**; BUCHNER, intracellular symbiosis in Homoptera, **402**; CHAMBERS, mitochondrial and nuclear structure in the male germ cells of grasshoppers, **481**; EVENIUS, "Krypten" cells and epithelial regeneration in the middle intestine of *Apis mellifica*, **901**; KEILIN, cytochrome in insects, **1544**; KREMER, oenocytes of Coleoptera, **1652**, metamorphosis and its significance in cytology, **1653**; LAZARENKO, blood and connective tissue, **1737**; METZ, chromosomes and sex in *Sciara* (Dipt.), **1995**; MORGAN, cytoplasmic inclusions in ♂ germ cells of *Cyrtophyllus* (Orth.), **2048**; PAILLOT, *Pieris brassicae*, **2209**; PEHANI, sex cells of *Carausius morosus* and *Bacillus rossi* (Orth.), **2251**; POISSON, aquatic Hemiptera, **2351**.

Paedogenesis.

CAILLOL, *Micromalthus debilis* (Col.), **433**; HARRIS, reversal of function in *Oligarces*, **1200**.

Parthenogenesis.

ADAIR, *Miomantis savignyi* (Orth.), **15**; JUCCI, *Bombyx mori*, **1500**; LOMBARDI, *Bombyx mori*, **1819**; PEACOCK, *Tephrosia* (Lep.), **2247**; PETERSEN, *Solenobia triquetrella* (Lep.), **2266**; PICTET, Lepidoptera, **2326**; TEODORO, *Bombyx mori*, **2938**; WINKLER, Insecta, **3176**; TCHANG, *Galleria mellonella* (Lep.), **3206**.

Sex Determination.

DESCY, *Osmia* (Hym.), **716**; HERTWIG, influence of over-ripening of sex cells on sex of *Lymantria dispar*, **1296**; SHULL, sex and the parthenogenetic-bisexual cycle, *Macrosiphum solanifolii* (Hom.), **2776**; THOMSEN, sex-determination in *Trialeurodes vaporariorum* (Hom.), **2951**.

Postembryology. Metamorphosis.

ABDERHALDEN, larval development (Lep.), **5**; BATHELLIER, determination of caste in *Macrotermes gilvus*, **161**, determination of caste in *Eutermes matangensis*, **162**; BOUVIER, Saturniidae (Lep.), **327**; CLARE, oxygen metabolism in *Drosophila*, **532**; CLÉMENT, effects of centrifuge on *Bombyx mori*, **537**; DAMPF, imaginal diapause in *Schistocerca paranensis* (Orth.), **668**; FINK, metabolism and hibernation, *Leptinotarsa* (Col.), **944**; GROS, *Ecdyonurus forcipula* (Ephem.), **1136**; KOSMINSKY, development of antennae in sexes of *Lymantria dispar* (Lep.), **1641**; KREMER, significance of metamorphosis in cytology, **1653**; LENGERKEN, influence of external factors in development of *Tenebrio molitor* L. (Col.), **1767**; LÉVY, metamorphosis of aquatic Diptera, **1797**; LOZINSKI, development of spinning glands of Vespid larvae, **1831**; PARFENTIEV, influence of starvation on larvae of *Orgyia antiqua* (Lep.), **2231**; PARKER, postembryology of Chalcids, **2233**; PATIJAUD, larvae of French Rhopalocera, **2239**; PICTET, atmospheric influences on development of Lepidoptera, **2319**; POISSON, aquatic Hemiptera, **2351**; PRUTHI, causes of moulting, **2405**; influence of starvation on metamorphosis, **2408**; RIPLEY, Noctuid larvae, **2507**; SCHJELDERUP-EBBE, moulting of *Gryllus campestris*, **2643**; SCHOENEMUND, Plecoptera, **2672**; TITSCHACK, *Carausius morosus* (Orth.), **2965**; ZAVATTARI, *Ephydra bivittata* (Dipt.), **3211**.

Regeneration, Autotomy.

BERLESE, Insecta, **210**; DIAKONOV, forceps of *Forficula auricularia*, **734**; GADEAU DE KERVILLE, antennae of *Tenebrio* (Col.) and *Carausius* (Orth.), **1028**; GROS, *Ecdyonurus forcipula* (Ephem.), **1136**; MEISSNER, *Carausius dixippus*, **1961**.

ETHOLOGY.

General and Miscellaneous.

ALESSANDRINI, effects of habitat on *Anopheles*, **36**; AUTEN, insects associated with spiders' nests, various, **104**; BARBER, cause of decrease of *Pyrausta nubilalis* in New England (Lep.), **131**; BELLING, pupal habits of *Papilio machaon*, **177**; BRISTOWE, habits of Brazilian insects, **368**; CARADJA, Chinese Lepidoptera, **459**; CUÉNOT, adaptation, **639**; DAMPF, *Schistocerca paranensis* (Orth.), **668**; DODDS & HISAW, adaptation of larvae of Ephemeroptera and Plecoptera to swift streams, **747**; FROST, leaf-mining habit in the Hymenoptera, **1018**, convergence of habits in leaf-mining insects, **1019**; GRANDI, fig insects, **1104**; HINGSTON, adaptation in Tibetan insects, **1315**, **1316**; KAISER, hour of emergence of Lepidoptera from pupa, **1512**; KATZ, behaviour of flies and mosquitos compared, **1536**; KLEFBECK, insects from the stomach of toad (*Bufo bufo*), Fauna och Flora, Stockholm 1925 p. 94; LENZ, Chironomidae as a basis for classification of lakes, **1774**; LIEBERMANN, correlation between antennal organs of smell and bionomics in Muscidae, **1799**; MARÉCHAL, Chrysididae, **1910**; MAROWSKI, diminishing Lepidoptera fauna, **1911**; MEISSNER, insect psychology, **1962**, diminishing Coleoptera fauna of Telegraph Mts., Germany, **1963**; MORGAN, function of forceps in earwigs, **2052**; NADBYL, causes of diminution of Lepidoptera fauna, **2102**; PAYNE, insects and freezing, **2244**; PICTET, non-inheritance of habits acquired through environment, **2321**, silk-spinning of larvae, **2322**; PRELL, funnel rolling of leaves (Col.), **2383**; RILEY, *Gerris rufoscutellatus* (Hem.), **2492**; RUDOLFS, effects of temperature and humidity on mosquito behaviour, **2567**; SCHJELDERUP-EBBE, phlegmatic, sanguine and choleric temperaments among insects, **2645**; SCHUSTER VON FORSTNER, effect of warm winter 1924-25 on insects, **2699**; SIMM, *Phytomyza lateralis* (Dipt.), **2783**; SKORIKOV, *Bombus* spp., **2795**; WEISS & WEST, Coleoptera in ocean drift, **3132**; WOHLFAHRT, alteration in Lepidoptera fauna, **3183**; ZAVATTARI, *Ephydra bivittata*, **3211**.

Ecology.

BEEBE, studies of a tropical jungle at Kartabo, British Guiana, **170**; BIRD, soil acidity in relation to insects and plants, **239**; CAMERON, soil insects, **438**; CLAASSEN, insects living on *Typha*, **531**; COOK, *Porosagrotis orthogonia* (Lep.), **592**; DAHL, German Carabidae (Col.), **665**; HANSEN, Coleoptera associated with oak, beech and chestnut, **1186**; HARNISCH, fauna of moors, **1197**; HOFMÄNNER, ecology and biology of Hemiptera, **1345**; KENNEDY, dragonflies of the Bass Islands of Lake Erie, **1554**; McCOLLOCH & HAYES, reciprocal relation of soil and insects, **1864**; METCALF, leaf-hoppers feeding near beach pools (Hom.), **1990**; SALFI, habitats and associations of Orthoptera, **2589**; SEURAT, insects in Gulf of Gabés, Tunis, **2750**; SHIBATA, Aphididae, **2771**; TOWNSEND, analysis of insect environments and control, **2976**; WALSH, British littoral Coleoptera, **3095**; WEESE, animal ecology of an Illinois elm-maple forest, **3122**; WEISS & WEST, insects and plants of dry woods in pine barrens of New Jersey (Col.), **3130**, insects and plants of a strip of New Jersey Coast, **3134**; WELLHOUSE, insect fauna of the genus *Crataegus*, **3139**.

Insects and Plants and Flowers.

BERTIN, ants and plants, **215**; BURKILL, insect vision in connection with flower fertilisation, **415**; GÖNNER, insects and fertilisation of flowers, **1089**; GRAY, fertilisation of alfalfa, **1113**; HANSEN, Coleoptera associated with oak, beech and chestnut, **1186**; HEINTZE, flower visitation by Lepturini (Cerambycid.), **1248**; HERING, leaf-mines, **1286, 1287, 1288**; MORHAUS, insectivorous plants, **2053**; MORGAN, Lepidoptera and flowers, **2047**; PLATH, bumble-bees and pollination, **2344**; ROBERTSON, the sunflower and its insect visitors, **2514**, phenology of entomophilous flowers, **2515**, heterotropic bees, **2516**, honey-bees and perforated flowers, **2517**; SAFFORD, ant acacias and acacia ants of Central America, **2580**; SAVIN, *Pronuba yuccasella* (Lep.) and *Yucca filamentosa*, **2608**; SEIDEL, leaf-mines, **2736**; WAHLGREN, pollination (Lep.), **3092**.

Cavernicolous.

BURESCH, Coleoptera, Bulgaria, **410**; MEIXNER, *Trechus angulipennis* sp. n. (Col.), Austria, **1966**; OCHS, *Orectophilus* spp. n., Siju Cave, Assam, **2172**; WINKLER, Coleoptera, Herzegovina, **3174**.

Hydrobiology.

ALSTERBERG, Chironomidae (Dipt.), **61**; BEHNING, organisms living in Volga river-bed, **172**; BENICK, fauna of springs in N. Germany, **187**; BRUES, insects in thermal waters, **380**; DODDS & HISAW, **747**; GROS, *Ecdyonurus forcipula* (Ephem.), **1136**; HATCH, Gyrinidae, **1214**; LESTAGE, larva of *Polystoechotes* (Neur.), **1738**; POISSON, Hemiptera, **2351**; RIMSKY-KORSAKOV, biology of parasitic Hymenoptera living in water, **2502, 2504**; STEMPELL, *Dixa* (Dipt.), **2863**; ZAVŘEL, similarity of case-construction of Chironomidae and Trichoptera, **3214**.

Phenology, Fluctuation in Numbers.

BLUNCK, **276**; BÖRNER, **312**; BÖRNER & BLUNCK, **313**; BÖRNER & SPEYER, **314**; DAMPF, **667**; SPEYER, **2833**.

Feeding Habits.

BENGTSSON, nutrition of larvae of Ephemeridae, **184**; BODENHEIMER, use by indigenous insects of introduced plants as food, **286**; BRISTOWE, solitary wasps, **367**; CHEVALIER, *Psen atratus* (Hym), **502**, *Pemphredon lugubris* (Hym.), **503**; CLEVELAND, digestion of wood by Termites, **544–7**; DAMPF, insects feeding on cadavers of locusts, **670**; HOWARD, Parasitic Hymenoptera feeding by indirect suction, **1387**; KILLINGTON, insects preyed on by Odonata, **1577**; PARFENTIEV, aphagia (non-feeding habits of adults), **2230**; SCHOENEMUND, larvae of Plecoptera, **2672**; WEISS, ratios of insect food habits in certain states of America, **3127**, insect food habit ratios on Quelpart Island, **3128**, and in Death Valley, **3129**; WHITFIELD, relation between feeding-habits and mouth-parts in Asilidae (Dipt.), **3152**; WOLCOTT, amount of food eaten by insects, **3185**.

Galls.

BALLOU, Southern California, Diptera, **120**; BARSALI, Umbria, **157**; BAUDYS, distribution, Europe, etc., **164**; BURKILL, experiments on oak-galls of Cynipidae, **414**; COBAU, *Mytilaspis* and *Exoascus* on *Calluna*, **549**; COTTE,

new Dipterous galls of Provence, **606**; DITTRICH, Tenthredinidae, **731**; DOCTERS VAN LEEUWEN, Australia, **745**; GAMBIER, **1034**; HEDICKE, Isthmosominae, **1234**; HOUARD, **1377–1382**; LAMBERTIE, **1720, 1721**; MASSALONGO, Italy, **1941, 1942**; NEEDHAM, flower gall on chaparral caused by *Asphondylia*, **2132**; SCHWARTZ, *Meskea dyspteraria* causing galls (Lep.), **2703**; STEFANI, Cecidomyiidae, **2862**; TAVARES, **2930**; TROTTER, Libya, **2983a, 2984**, morphological development of galls, **2985**; VIMMER, *Rhopalomyia* (Dipt.), **3067**; WEISS & WEST, *Adela ridingsella* on Virginia creeper (Lep.), **3133**; WELD, gall that secretes honeydew, **3138**

Social Life.

BERLESE, Insecta, **210**; DESCY, **715**; LEGEWIE, theory of state construction, **1760**; WHEELER, Social Insects, **3150**.

Termite Life.

CLEVELAND, digestion of wood by Termites, **545–7**; SČEGOLEVA-BAROVSKAJA, termitophilous Tineid larva, **2609**; SNYDER, origin of castes, **2812**; WASMANN, *Termitoxenia*, **3109**.

Bee-life.

ARBUCKLE, *Apis mellifera*, **83**; KLOSE, breeding of wild bees in Lithuania, **1600**; MORSTATT, wax of East African bees (*Trigona*), **2059**; SCHÖNFELD, recognition of companions, **2675**.

Ant-life.

ANDREWS, growth of ant mounds, **78, 79**; BAILEY, ants and fungi, **109**; BRUN, life of ants, **389**; CLARK, ants of Victoria, **535**; COMBES, jumping and throwing of objects, **585**; CRAWLEY, temporary social parasitism in *Lasius*, **624**; EIDMANN, faculty of communication, **837**; HEYDE, **1299**; HINGSTON, evolution of faculty of communication, **1313**, habits of *Cremastogaster auberti*, **1314**; KUSNEZOV, ants of Turkestan, **1702**; ŁOMNICKI, micrandry in *Raptiformica sanguinea*, **1821**; PARKER, weight of vegetation transported by tropical fungus ants, **2232**; STÄGER, methods of transport of prey, **2847**; WASMANN, different methods of larval feeding, **3106**; WHEELER, parabiosis and "ant gardens," *Eciton hamatum*, **3147**, ants of Panama, **3148**.

Myrmecophily.

DAVEY, **678**; DONISTHORPE, **753**; EIDMANN, *Cetonia floricola*, **839**; HINGSTON, *Formicomus ninus* (Col.), **1314**; MANN, beetle guests of army ants, **1906**; POMEROY, Lycaenidae, etc., **2359**; ROEPKE, *Trochoideus desjardinsi*, not a myrmecophil (Col.), **2524**; SCHMITZ & MJÖBERG, Phoridae, **2667**; STÄGER, *Formicoxenus nitidulus* (Hym.), **2846**; WASMANN, different methods of larval feeding, **3106**, Staphylinidae, **3107**, Pselaphidae, **3108**, *Trochoideus*, **3109**.

Symbiosis.

BUCHNER, intracellular, Homoptera, **402**; CLEVELAND, intestinal flagellates in Termites, **544–7**; EMELEN, *Apis mellifera* and *Melipona* (Hym.), **851**; GROPENGIESSER, Blattids and lower plant organisms, **1134**; NUTTALL, insects and plants, **2157**; PIERANTONI, physiological significance of hereditary symbiosis, **2328**; RONDELLI, hereditary symbiosis of micro-organisms with *Eriosoma*, **2545**; SULC, intracellular, Fulgoridae, **2893**; VIALA, *Dactylopius vitis* with *Bornetina corium*, **3050**.

Instincts, Tropisms.

ALVERDES, sheltering instinct in *Limnophilus flavicornis* (Trichopt.), **64**, behaviour of *Notonecta* when blinded (Hem.), **66**; BANDERMANN, wireless telephony in insects, **122**; BARBER, response of *Pyrausta nubilalis* to light in egg-laying (Lep.), **130**; BERLESE, Insecta, **210**; BIERENS DE HAAN, instincts in Myrmeleonidae, **234**; BUGNION, war between ants and termites, **407**; CLARK, tropisms in *Plea striola* (Hem.), **534**; CORNETZ, orientation in ants, **597**; CROZIER, orientation of *Tenebrio* larvae, **633**; CROZIER & FEDERIGHI, *Ranatra* phototropism, **634**; DEEGENER, *Malacosoma* larvae (Lep.), **691**; DOBRZHANSKY, Coccinellidae, gregariousness, **744**; GRANDI, gregarious instinct of *Psammophila*, etc. (Hym.), **1105**; HEYDE, psychic adaptation in ants to changed conditions, **1299**; KENNEDY, reversal of tropisms, *Ephemera* and *Aeschna*, **1555**; KÜHN & ILSE, butterflies attracted by colour, **1681**; McEWEN, phototropism of vestigial and wild type *Drosophila*, **1874**; MAST & DOLLEY, stimulating efficiency of intermittent light, **1943**; MERKER, *Corethra*

plumicornis (Dipt.), phototropism, **1988**; MINNICH, reactions of larvae of *Vanessa antiopa* to sounds, **2018**; RABAUD, tropisms and morphological symmetry, **2421**; RICHARDSON, oviposition response, **2487**; RILEY, responses of *Gerris rufoscutellatus* (Hem.), **2492**; ROCKWOOD, night-flying and attraction to light in Acrididae, **2521**; SANTSCHI, orientation in ants, **2595**; STEMPELL, *Dixa* (Dipt.), **2863**; VERLAINE, *Vespa* and *Bombus*, **3046**, variability of instinct in *Pompilus* (Hym.), **3048**; WEISS, orientation of the nesting positions in *Vanessa*, **3136**.

Movement, Attitudes.

BERLESE, Insecta, **210**; COMBES, ants, jumping and throwing of objects, **585**; SCHJELDERUP-EBBE, attitude of mosquitos and flies under influence of danger, **2642, 2644**, swinging movement of gnat, **2646**, signs of attention in beetles, **2648**; SCHOENEMUND, Plecoptera larvae, **2672**; UEXKÜLL, wing-movement in *Pieris*, **2999**; WILLEM, *Machilis maritima*, **3163**.

Flight.

BERLESE, Insecta, **210**; LUNDIE, flight activities of the honey-bee, **1848**; SCHEPP, flight of *Pieris* over sea, **2637**; WEBER, movement of wings of hornets in flight, **3121**.

Migration.

ADKIN, *Plusia gamma* (Lep.), **18**; BERLESE, Insecta, **210**; BRUHN, wind-borne insects on sea-shore, **387**; ELTON, dispersal of insects to Spitsbergen, **843**; FELT, dispersal of butterflies, etc., **928**; FLETCHER, migration as a factor in pest-outbeaks, **958**; GUPPY, upper air-currents and migration, **1153**; HAYWARD, Lepidoptera, Argentine, **1229**; HICKS, *Urania fulgens* (Lep.), Trans. Ent. Soc. London **1925** pp. v-vi; HOWE, northward migration of Odonata in spring, **1389**; KEILHOLZ, swarms of dragonflies, **1543**; PICTET, causes of migration of *Pieris brassicae* in Switzerland, **2320**; ROJAS, Lepidoptera, Costa Rica, **2538**; SHIBATA, Aphidae, **2772**; WILLIAMS, migration in Egypt and Near East, **3165**, *Pyrameis cardui*, **3166**.

Hibernation.

BERLESE, Insecta, **210**; BUTOVITSCH, winter hiding-places of *Myelophilus piniperda*, **425**; DOVER, *Xylocopa* (Hym.), **756**; GÖNNER, *Pyrameis atalanta* (Lep.), **1090**; HANCOCK, Ichneumonidae, **1176**; HINGSTON, insects in Tibet, **1315**; KRANCHER, *Spilosoma luctifera* (Lep.), **1647**; DE LÉPINEY, *Chaoborus crystallinus* (Dipt.), **1776**; MARCHOUX, *Anopheles maculipennis*, **1908**; PICTET, *Pieris brassicae*, **2323**; ZÜRCHER, *Chloropisca notata*, **3227**.

Sound Production.

BRISTOWE, **369**; EBNER, *Pycnogaster bolivari* (Orth.), **812**; MYERS, sound organs of New Zealand Cicadidae, **2097**; RAMME, Acrididae, **2442**; RATHSAMHAUSEN & RIFFARD, bees, **2447**; SOLOWIOW, *Atropos pulsatoria* (Psocop.), **2814**; SONAN, *Oxya vicina*, sound of female, **2818**.

Luminosity.

NUTTALL, due to symbionts, **2157**; RÖHER, *Lampyris* (Col.), **2532**.

Sex Relations.

BOULANGÉ, Hymenoptera, **320**; PEACOCK, *Pteronidea ribesii* (Hym.), **2245**; POISSON, aquatic Hemiptera, **2351**; PRÜFFER, *Lymantria dispar* (Lep.); **2403**; SOLOWIOW, *Atropos pulsatoria* (Psocop.), **2814**.

Oviposition.

BEAMER, *Tibicen* (Hom.), **166**; HOFFMANN, use of pocket in hind-legs of *Parnassius apollo* (Lep.), **1332**; LESTAGE, *Sialis lutaria* (Neur.), **1784**; POISSON, aquatic Hemiptera, **2351**; PRELL, *Deporaus betulae* (Col.), **2384**; SCHULTZ, *Mamestra persicariae* (Lep.), **2687**; SCHULZ, *Anthonomus pomorum* (Col.), **2691**; STORCH, Libellulidae, **2877**.

Parental Care.

BUCHKA, care for broods in dung beetles, **401**.

Nests.

BERLESE, Insecta, **210**; BERTIN, Ants, **215**; ENSLIN, *Osmia* (Hym.), **872**; KUSNEZOV, ants of Turkestan, **1702**; MALYSHEV, *Systropha* (Hym.), **1902**; MANEVAL, *Osmia mitis* (Hym.), **1904**; PARFENT'EV, Vespidae, **2229**; PARKER, *Bembex comata* (Hym.), **2235**; REICHENSPERGER, *Apicotermes occultus* (Isop. Termitidae), **2463**; SAVIN, *Vespa* and *Polistes*, **2607**; VERLAINE, *Pelopaeus clypeatus* (Hym.), **3047**; WACHS, hornets, **3080**.

Cocoons.

HASE, *Ephestia kuehniella* (Lep.), **1206**; LEA, calcareous cocoons, *Leptops duponti* (Col.), **1739**; PRELL, *Cionus* (Col.), **2378**.

Parasitism.

GENIEYS, *Habrobracon brevicornis* (Hym.), **1050**; LEGEWIE, Hymenoptera, **1761**; ROOT, **2546**.

Mimicry.

BERLESE, Insecta, **210**; ESAKI, *Kallima* (Lep.), **880**; GÖTZ, *Eristalis* (Dipt.), **1097**; HEIKERTINGER, mimicry and selection, **1243**, mimetic resemblances to ants, **1244**; KAYE, *Heliconius*, of the *silvana* group (Lep.), **1540**; MORTENSEN, Lepidoptera, **2060**; PÉNEAU, myrmecophilous Heteroptera, **2255**; PONGRACZ, **2360**; POULTON, Notodontid larva (Lep.), **2368**, *Pseudacraea dolomena* (Lep.), **2370**, Reduviid bugs and Carabidae, **2372**, Asilidae and *Xylocopa*, **2373**, *Amauris* (Lep.), Trans. Ent. Soc. Lond. **1924** pp. xxix-xxxi; REICHENSPERGER, mimicry of ants, **2464**; SCHULTZE, *Metapocyrtus* (Col.), **2688**; SCHUSTER VON FORSTNER, protectively coloured caterpillars, **2697**, blue colour-blindness of birds for blue Lepidoptera and Coleoptera, **2700**; TALBOT, *Phyciodes* (Lep.), **2916**; WASMANN, ant mimicry, **3110**.

AETIOLOGY.

Evolution, Phylogeny.

ALVERDES, rôle of cumulative effects in phylogeny, **63**; GÖTZ, Natural Selection, **1097**; GRANDI, adaptation in fig insects (Hym.), **1104**; HEIKERTINGER, Natural Selection, **1242**; JEANNEL, apterism in insular insects, **1464**; MORDVILKO, theory of migrations of Aphidae, **2042**, heteroecy in Aphidae resulting from primary polyphagy, **2043**; NABOURS, *Apotettix eurycephalus* (Orth.), **2100**; RABAUD, phenomena of convergence in biology, **2422**; RIEL, phylogeny of Trichoptera and Lepidoptera, **2490**; SNYDER, termites, origin of castes, **2812**; TILLYARD, geological history of Australian and New Zealand insect faunas, **2953**, evolution of the bee, **2957**.

Genetics.

BHATIA, *Drosophila*, **232**; BLACKBURN, *Anasa tristis* (Hem.), **248**; BREITENBECHER, inheritance of sex-limited bilateral asymmetry in *Bruchus* (Col.), **345**, apterous mutation in *Bruchus*, **346**, macula mutation in *Bruchus*, **347**; BRIDGES, *Drosophila*, sex in relation to chromosomes and genes, **361**; BRIDGES & MORGAN, *Drosophila*, **362**; COCKAYNE, *Parasemia plantaginis* and var. *hospita* (Lep.), **550**; CUNNINGHAM, heredity, Sci. Progr., London **19** 1925, pp. 432, 442; EWING, ratio of alate to apterous individuals in Aphids, **905**; GOLDSCHMIDT, triploid intersexes, **1086**, mutation in *Drosophila*, **1087**; GUTHRIE, new leg mutant in *Drosophila*, **1155**, asymmetry in small-eyed *Drosophila*, **1156**; HAECKER, lethal factors, **1163**; HAECKER & EISENTRAUT, crossing-over in *Oedipoda* and *Gomphocerus* (Orth.), **1164**; HAUBER, factors involved in defective venation, *Habrobracon juglandis* (Hym.), **1216**; JEFFREY, *Drosophila* and the mutation hypothesis, **1468**; JEFFERY & HICKS, reduction division in relation to mutation, **1469**; JUCCI, inheritance in *Bombyx*, **1501**, **1502**; JUST, *Drosophila*, crossing-over theory, **1508**, analysis of mathematical methods, **1509**; LÉCAILLON, dominance, disjunction and fusion in *Bombyx*, **1744**; MAVOR, effect of X-rays on distribution of X chromosomes, **1950**; MAVOR & SVENSON, effects of X-ray and temperature on linkage and fertility in *Drosophila*, **1951**; METZ, prophase chromosome behaviour in triploid *Drosophila*, **1994**, chromosomes and sex in *Sciara* (Dipt.), **1995**; MOHR, *Drosophila*, **2032**, **2033**; MORGAN, polyploidy in *Drosophila*, **2049**; MORGAN & BRIDGES, sex-linked inheritance in *Drosophila*, **2050**; MORGAN, BRIDGES, STURTEVANT, *Drosophila*, **2051**; MULLER, why polyploidy is rarer in animals than in plants, **2084**; NACHTSHEIM, *Drosophila*, **2101**; NISHIKAWA, inheritance of a mutation in silkworms, **2142**; PEARL, inheritance of longevity in *Drosophila*, **2248**; PELLEW, inheritance of egg-colour in silkworm, **2252**; PICTET, non-inheritance of habits acquired through environment, **2321**; RENNER, heredity in hybrids, **2476**; RICHARDS & FURROW, eye and optic tract in normal and eyeless *Drosophila*, **2486**; SEILER, crossing-over theory, **2737**; SHULL, *Macrosiphum solaniifolii*, genetics of colour, **2777**; SMIRNOV, theory of type and natural

system, Syrphidae (Dipt.), **2798**; SPEMANN, heredity and mechanism of evolution, **2828**; STRAUSS, fertility and toleration of temperature in inbred *Drosophila*, **2882**; STURTEVANT, effects of unequal crossing at the bar locus, *Drosophila*, **2890**; SUZUKI & HIRATA, genetic studies on adhesive character of silkworm egg, **2896**; TANAKA, sex-linked inheritance in silkworm, **2923**, **2924**, **2925**; THOMPSON, evidence of structure in the gene, *Drosophila*, **2950**; TURNER, transmission of mutation in *Psychoda* (Dipt.), **2993**; WHITING, *Habrobracon juglandis*, inheritance of sterility, etc., **3153**, haploid parthenogenesis in *H. brevicornis* (Hym.), **3154**, heredity in honey-bee, **3155**; WHITING & WHITING, diploid males from fertilized eggs in *Habrobracon*, **3156**; WINKLER, rôle of nucleus and protoplasm in heredity, **3177**; YAGI, inheritance of mosaic in *Bombyx*, **3193**; DE ZULUETA, sex-heredity in *Phytodecta* (Col.), **3226**.

Variation.

ADKIN, parallel variation in British Lepidoptera, **19**; ALPATOV, length of proboscis in honey-bee, **59**; BEQUAERT & PLATH, significance of colour variation in bumble-bees, **199**; DJAKONOV, dimorphic variability of *Forficula*, **735**; FISCHER, *Celerio euphaës* (Lep.), **945**, colour variation in *Pieris brassicae*, **946**; FULTON, physiological variation in *Oecanthus niveus* (Orth.), **1026**; HEYDEMANN, *Ematurga atomaria* and *Ortholitha mucronata* (Lep.), **1300**; KLEINE, variation in markings of Brenthidae (Col.), **1588**; KUHL, forceps of *Forficula auricularia*, **1680**; LAX, *Parnassius apollo* (Lep.), **1732**; MINKIEWICZ, variability of colouring of *Psylla mali* (Hom.), **2017**; NEEDHAM & CLAASSEN, variation of venation in Plecoptera, **2133**; PIERRE, colour variation in *Pachyrhina crocata* (Dipt.), **2331**; REVERDIN, *Melitaea athalia* and *pseudathalia* (Lep.), **2479**; SCHUMANN, artificial production of aberrations in Lepidoptera, **2694**; SKAIFE, Bruchidae, **2792**; STAUDER, seasonal variation in *Pieris napi*, **2852**; WARNECKE, *Dasypolia templi* (Lep.), **3099**.

Colour.

BABIY, causes of colouration of hairs in *Bombus* (Hym.), **106**; DÜRKEN, colours of pupae of *Pieris brassicae* in coloured lights (Lep.), **785**; HEIKERTINGER, **1242**; IWASE, colour relation in pupae of Papilionidae, **1439**; JACOBSON, evening change of eye colour in *Hierodula venosa* (Mantid), **1446**; POULTON, transformation of fluorescent pigment in *Papilio*, **2369**; RÖHER, colour in its connection with senses and life-history (Lep.), **2531**; SCHULTZ, yellow and green eggs in *Angerona prunaria* (Lep.), **2685**; SUFFERT, underlying significance of pattern in Lepidoptera, **2892**; YAMI, adaptation of cocoon colour in *Bombyx mori*, **3194**.

Melanism.

ALBERS, *Brenthis selene* (Lep.), **27**; DZIURZYNSKI, *Zygaena* (Lep.), **809**; GÖTTLER, Lepidoptera, **1096**; HASEBROEK, list of papers on melanism in Lepidoptera, **1208**, artificial melanism (Lep.), **1210**, **1211**; MARSCHNER, Bohemian butterflies, **1913**.

Hybrids.

EHINGER, *Saturnia* (Lep.), **832**; GOODMAN, TURNER & PIERCE, supposed hybrid *Polyommatus coridon-hylas* (Lep.), **1094**; HORNSTEIN, experiments in hybridisation (Lep.), **1370**; JÖRGER, *Carabus* (Col.), **1498**; PEACOCK, hybridisation producing parthenogenesis, *Tephrosia* (Lep.), **2247**; ROUBAL, *Carabus obsoletus* × *glabratus* (Col.), **2554**; STANDFUSZ, **2848**.

Gynandromorphs, Intersexes.

BERLAND, *Episyron capiticrassus* (Hym.), **207**; BLANC, *Carausius hilaris* (Orth.), **268**; CAPPE DE BAILLON, *Metrioptera brachyptera*, *Leptophyes punctatissima* (Orth.), **452**, Phasmidae, **455**; EMELJANOWA, intersexes and influence of temperature in *Lymantria dispar* (Lep.), **852**; GEROULD, *Colias eurytheme* (Lep.), **1054**; GOLDSCHMIDT, high percentage of male intersexes in *Lymantria dispar* (Lep.), **1085**, triploid intersexes, **1086**; GOLDSCHMIDT & MACHIDA, *Lymantria dispar* (Lep.), **1088**; JORGENSEN, *Colias lesbia* and *Ecpantheria flavopunctata* (Lep.), **1497**; KOSMINSKY, formation of intersexual forms in *Stilpnotia salicis* under influence of cold in pupal state (Lep.), **1639**, *Lymantria dispar*, **1640**, **1641**; MINAMI, wing-mosaic of intersex males of *Lymantria dispar*, **2015**; PEACOCK, *Pteronidea ribesii* (Hym.), **2245**; SCHIRBER, *Lasiocampa quercus* (Lep.), **2641**; SHELJUZHKO, *Midea scolymus*, **2765**.

Teratology.

AUEL, deformation of thorax in *Melolontha*, **95**; CAPPE DE BAILLON, *Carausius morosus* (Orth.), **453**, embryogenesis of double monsters in *C. morosus*, **454**, Phasmidae, **455**; DUMONT, *Etiella zinckenella* (Lep.), **783**; EBNER, *Pycnogaster bolivari* (Orth.), **812**; ESAKI, abnormal antennae in Hemiptera, **879**; GLASGOW, *Melanoplus differentialis* with four ocelli (Orth.), **1075**; KAISER, *Philosamia cynthia* (Lep.), **1513**; KOZHEVNIKOV, intergrade between queen bee and worker, **1643**; KRANCHER, *Chrysomela fastuosa* (Col.), **1648**; LUIGIONI, bifid antennae, Tenebrionid, **1843**, Cerambycid, **1844**; MACGILL, *Calliphora*, abnormal proboscis, **1876**; NAGEL, *Lucanus cervus* (Col.), **2103**; NITSCHE, Lepidoptera, **2143**; WALSH, *Malachius marginellus* (Col.), Ent. Mo. Mag., London **61** 1925 p. 226.

GEOGRAPHY OR FAUNISTIC.

In this section references are given to all species recorded from Arctic and characteristic island faunas, but in the other divisions reference is made only to papers dealing with monographs and revisions or giving information of faunistic value.

General.

Insecta: ALFKEN, colonisation of a new island (Memmert) in North Sea, **47**; GUPPY, rôle of upper air-currents in the distribution of insects, **1153**.—*Coleoptera*: KNISCH, Hydrophilidae, catalogue, **1617**; PIC, Rhipiceridae, catalogue, **2313**; PORTEVIN, Necrophorini, revision, **2367**; RAFFRAY, Pselaphidae, **2426**; SCHENKLING, Elateridae, catalogue, **2633**; VOSS, Attelabinae and Apoderinae, revision, **3076**.—*Hymenoptera*: EMERY, Formicinae, catalogue, **855**; SANTSCHI, *Acromyrmex* (Formicidae), revision, **2599**.—*Lepidoptera*: BETHUNE-BAKER, Liphyrinae, revision, **220**; MEYRICK, Carposinidae, catalogue, **1998**, Oecophoridae, catalogue, **1999**, Gelechiidae, **2000**, Wegener's hypothesis and distribution of Microlepidoptera, **2002**; WARNECKE, *Anaitis*, **3103**.—*Diptera*: BISCHOFF, *Liponeura* (Blepharoceridae), revision, **245**; CHRISTOPHERS, Anophelini, revision, **527**; CZERNY, Helomyzidae, revision, **663**; DUDA, *Leptocera* (Borboridae), revision, **778**; FELT, Cecidomyiidae, key to genera, **926**; KESSEL, Streblidae, revision, **1558**.—*Hemiptera*: MASON, revision of *Amphorophora*, **1940**; MORRISON, classification of Ortheziinae (Coccidae), **2057**; NEIVA, *Triatoma* (Reduviidae), revision, **2134**; VAYSSIÈRE, Monophlebinae (Coccidae), **3039**. — *Ephemeroptera*: LESTAGE. Ephemerellidae, **1786**.

Arctic.

Insecta: BÖVING, Iceland south of Vatna-Jökul, **334**; BRISTOWE, Jan Mayen Is., list, **366**; ELTON, dispersal of insects to Spitzbergen, **843**; HENRIKSEN, Canadian Arctic Expedition, 1913–18, **1275**.—*Coleoptera*: ELTON, Spitzbergen, **844**. — *Hymenoptera*: KARAVAEV, Formicidae of Arctic Siberia, **1519**; ROMAN, New Siberia I., two new Ichneumonidae, **2539**, Faroe Is., two new Braconidae, **2541**.—*Lepidoptera*: ELTON, Spitzbergen, *Plutella*, **844**; REBEL, Spitzbergen, a Noctuid, **2453**.—*Trichoptera*: ULMER, Faroe Is., **3005**.—*Diptera*: ALEXANDER, Novaya Zemlya, new *Limnophila*, **44**; COLLIN, Spitzbergen, Cyclorrhapha, **583**; EDWARDS, Spitzbergen Nematocera, **814**; LUNDSTRÖM, New Siberia I., new Nematocera, **1849**; MERCANTÓN, Greenland mosquitos, **2420**; RINGDAHL, Faroe Is., Anthomyiidae, **2506**.—*Collembola*: ZSCHOKKE, Spitzbergen, **3224**.

Insular (including **New Zealand**).

Canary Is. *Hymenoptera*: EMERY, *Tetramorium*, **854**.—*Diptera*: ABREU, Phoridae, **7**, Syrphidae, **8**.

Caroline Is. *Coleoptera*: KNISCH, *Dactylosternum* sp. n. (Hydroph.), **1619**.—*Hymenoptera*: STITZ, *Camponotus*, **2875**.

Palau Is., Micronesia. *Hemiptera*: ESAKI, Gerridae, sp. n., **877**.

Hawaiian Is. *Homoptera*: GIFFARD, Cixiidae, revision, **1061**.

Fanning I. *Insecta*: HERMS, biological notes, **1293**.—*Isoptera*: KIRBY, *Cryptotermes hermsi* sp. n., **1580**.

Samoa. *Coleoptera*: FLEUTIAUX, new Melasidae, **967**.—*Lepidoptera*: GAEDE, new Arctiidae, **1030**.—*Diptera*: BUXTON & HOPKINS, early states of mosquitos, **426**.—*Odonata*: FRASER, **996**.

Fiji Is. *Coleoptera*: BRYANT, new Phytophaga, **394**; FLEUTIAUX, new Melasidae, **967**.—*Hymenoptera*: MANN, Formicidae, **1907**.—*Lepidoptera*: MEY-

RICK, new Microlepidoptera, **2001.**—*Diptera*: ALEXANDER, new Tipulidae, **42.**—*Thysanoptera*: KARNY, *Chelaeothrips* sp. n., **1532.**

Santa Cruz Arch. *Isoptera*: SNYDER, Termitidae, **2811.**

New Hebrides. *Homoptera*: LAING, *Platylecanium cocotis*, sp. n., **1717.**

Loyalty Is. *Insecta*: SARASIN & ROUX, distribution, **2602.**—*Homoptera*: MUIR, *Ugyops butleri*, **2075.**—*Orthoptera*: CHOPARD, Blattidae, **522.**

New Caledonia. *Insecta*: SARASIN & ROUX, distribution, **2602**; HOUARD, galls, **1380.** — *Coleoptera*: D'ORCHYMONT, *Dactylosternum helleri* sp. n., **755.**—*Homoptera*: LALLEMAND, new Cercopidae, **1719.** — *Odonata*: KENNEDY, new genera, **1556.**—*Orthoptera*: CHOPARD, Blattidae, **522.**

Mangareva, Gambier Is. *Collembola*: DENIS, *Sminthurides seurati* sp. n., **702.**

Norfolk I. *Coleoptera*: LEA, Histeridae, Anobiidae, **1738, 1741.**—*Hymenoptera*: DODD, Proctotrupidae, **746.**—*Thysanoptera*: KARNY, *Phloeothrips leai*, **1528.**

Lord Howe Island. *Coleoptera*: LEA, Histeridae, Anobiidae, **1738, 1741.**—*Hymenoptera*: DODD, Chalcidoidea, Proctotrupidae, **746.**—*Homoptera*: LAING, *Halimococcus nesiotess* p.n., **1717.**

New Zealand. *Insecta*: TILLYARD, origin of N. Zealand fauna, **2953.**—*Coleoptera*: BLAIR, *Sphaeriestes*, revision, **260**; OBENBERGER, *Maoriella novae-zeelandiae* sp. n. (Bupr.), **2158**; D'ORCHYMONT, *Laccobius arrowi* sp. n. (Hydroph.), **755.** — *Hymenoptera*: MANN, Formicidae, **1907.**—*Lepidoptera*: PHILPOTT, CASTLE & ANDERSEN, Australian Lepidoptera in N.Z., **2287.**—*Diptera*: ALEXANDER, Tipulidae, **42, 45**; EDWARDS, Culicid (*Theobaldia tonnoiri*), **820**; ENDERLEIN, new Tabanid, **861**; MALLOCH, Muscidae, **1895**; TONNOIR, Dixidae, Pipunculidae, Simuliidae, **2968, 2969, 2971.**—*Hemiptera*: HALE, Corixid (*Diaprepocoris* sp. n.). **1167**; LAING, Coccid (*Lepidosaphes marshalli* sp. n.), **1717**; MORRISON, Coccidae, **2058.**—*Collembola*: CARPENTER, **462.**

Chatham Is. *Coleoptera*: BROOKES, *Thelyphassa chathamensis* sp. n. (Oedem.), **373.**—*Lepidoptera*: MEYRICK, list, **2004.**—*Trichoptera*: TILLYARD, three new spp., **2958.**—*Diptera*: ALEXANDER, Tipulidae, **37.** — *Hemiptera*: MYERS, **2098.**—*Dermaptera*: LYSAGHT, **1856.**—*Orthoptera*: LYSAGHT, **1856.**

Campbell I. *Collembola*: CARPENTER, *Lepidophorella australis*, **462.**

Galapagos Is. *Coleoptera*: MUTCHLER, **2095**; WATERHOUSE, **3112.**—*Hymenoptera*: SMITH, **2799.**—*Lepidoptera*: BUTLER, **422.**—*Diptera*: SMITH, **2799.**—*Neuroptera*: MCLACHLAN, **1882.**—*Hemiptera*: BARBER, **132**; BUTLER, **422.**—*Orthoptera*: BUTLER, **422.**

Falkland Is. *Insecta*: VALLENTIN, **3026.**

South Georgia. *Coleoptera*: BRÈTHES, *Austromalota rufimixta* (Staph.), **356.**—*Diptera*: BRÈTHES, *Trichocerodes georgianus* (Rhyphidae), **356.**

Palaearctic Region.

(*a*) **Collectively.**

Coleoptera: WINKLER, catalogue of palaearctic Coleoptera from Hydrophilidae to Buprestidae, **3175.** — *Hymenoptera*: EMERY, *Tapinoma* (Formicidae), **856**; FAHRINGER, Braconidae, **910**; HEDICKE, Isosominae, **1235**; SCHMIEDEKNECHT, Tryphoninae, **2663.** —*Diptera*: ENGEL, Asilidae, **865**; KRÖBER, Conopidae, **1663**, Tabanidae, **1664**, Therevidae, **1665**, Omphralidae, **1666**; PARENT, *Diaphorus* (Dolich.), **2223.**—*Orthoptera*: SALFI, *Chrysochraon*, **2588**; UVAROV, southern limits of Palaearctic fauna in Yunnan, **3019.**

(*b*) **Europe,** collectively.

Coleoptera: JEANNEL, *Choleva*, **1460**, Bathysciinae, **1461.** — *Diptera*: PARENT, *Thrypticus* (Dolich.), **2221.**—*Thysanoptera*: PRIESNER, catalogue of European spp., **2389.**—*Orthoptera*: HEBARD, Acrididae, Tettigoniidae and Gryllidae, **1233.**

(*c*) **North Europe and Siberia.**

Coleoptera: HANSEN, catalogue of Danish Coleoptera, additions and corrections, **1183**, Lamellicornia, Denmark, **1187**; HENRIKSEN, Lamellicorn larvae, **1279**; LINDBERG, Aland Is. (Baltic), **1806.**—*Hymenoptera*: BAROVSKY, Mutillidae, Petrograd province, **153**; BIRULA, Vespidae, Russia, **241**; ESBEN-PETERSEN, Danish Ichneumonidae, list, **883**; SKORIKOV, *Bombus*, Petrograd

province, **2795**.—*Lepidoptera*: GUDMANN, Microlepidoptera new to Denmark, **1147**; PETERSEN, fauna of Estonia, **2265**, **2266**.—*Diptera*: NIELSEN, Danish Tipulidae, **2139**; RINGDAHL, Swedish *Hydrotaea*, **2505**; STACKELBERG, Nematocera, Petrograd province, **2841**, Asilidae, Petrograd province, **2842**.—*Hemiptera*: WARLOE, list of Norwegian Heteroptera, **3096**.—*Thysanoptera*: AHLBERG, Sweden, **23**.

(*d*) **British Isles.**

Insecta: CHINA, Guernsey, additions, **510**; FALCONER, list of gall-forming insects of Lancashire, **911**; FARREN, HANCOCK, HUTCHINSON, LUCAS, Wicken Fen, Cambs., **920**, **1177**, **1419**, **1838**; INGRAMS and others, Shropshire, Rec. Caradoc F. Cl., Shrewsbury 1924 1925 pp. 31–35; LOYD, Lundy I., **1830**; MICHELMORE, Marlborough dist., **2009**.—*Coleoptera*: DAY, Cumberland, catalogue, **685**. — *Hymenoptera*: JONES, Hampshire, list of Aculeata, **1484**; PERKINS, Gloucestershire and Somerset, Aculeata, **2257**; PERKINS, Devonshire, sawflies, **2258**; SAUNT, Warwickshire, Tenthredinidae, Siricidae, etc., **2606**.—*Lepidoptera*: BLAIR, Scilly Isles, list, **258**; FASSNIDGE, Hampshire and I. of Wight, list, **921**; GREER, North Ireland, additions, **1120**; MASON, Lincolnshire, Microlepidoptera, **1939**; RILEY, Jersey, list, **2496**; ROUTLEDGE, Cumberland, catalogue, **2564**; TURNER, Geometridae, list, **2995**; WATERS, E. G. R., Microlepidoptera, North Devon and Somerset, Ent. Mo. Mag. **61** 1925 pp. 45–47; WELCH, BURTON & WILTSHIRE, Cheltenham, list, **3137**.—*Neuroptera*: LUCAS, Lancashire & Cheshire, list, Lancs. and Ches. Nat., Darwen **17** 1925 pp. 133–137.—*Diptera*: BARNES, list of Cecidomyiidae of Kent, **137**; CHEETHAM, Yorkshire, additions, Naturalist, Lond. **1925**, pp. 73–74; EDWARDS, British Mycetophilidae, **815**, EDWARDS, synopsis of British Bibionidae and Scatopsidae, **819**.—*Hemiptera*: BROWN, North-East Yorkshire, list, **374**; DAVILSON, list of British Aphids, **679**; GREEN, catalogue of Coccidae, Channel Islands, **1115**.—*Apterygota*: BROWN, British littoral Collembola, **376**; WOMERSLEY, South-west England, **3187**.

(*e*) **France.**

Coleoptera: BONNAMOUR, Cicindelidae, Lyon dist., **300**; CAILLOL, Provence, catalogue, **432**; FALCOZ, *Cryptophagus*, synopsis, **914**; FENOUILLET, Yonne, additions, Bull. Soc. Sci. hist nat. Auxerre **77** 1924 p. li; HOULBERT & MONNOT, Histeridae, **1386**; PIC, list of Malachiidae, Saône-et-Loire, **2294**; PROUTEAU, Morbihan, list, **2402**; TAREL, *Cicindela*, Gironde, **2929**.—*Hymenoptera*: BERLAND, Fossores, monograph, **207**. — *Lepidoptera*: Gironde, catalogue, **1**; BUYSSON, Allier, **429**; COOKE, Heterocera, Pyrenees, **593**; PIONNEAU, Rhopalocera, Loire-Inférieure, additions, **2340**; SCHIRBER, Microlepidoptera, Gironde, list, Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925 pp. 214–217.—*Neuroptera*: LACROIX, Coniopterygidae, **1706**; NAVÁS, synopsis of Rhaphididae, **2117**, **2121**.—*Diptera*: MERCIER, coast of Calvados, **1985**; PIERRE, Tipulidae, monograph, **2332**; SÉGUY, blood-sucking Nematocera, monograph, **2722**; SURCOUF, Tabanidae, monograph, **2894**.—*Hemiptera*: GAUMONT, Aphididae, **1042**; PÉNEAU, Heteroptera, Côtes Vendéennes, list, **2254**; POISSON, list of *Gerris* (Hem.), Calvados, **2350**; WÜNN, Coccidae of Alsace-Lorraine, **3190**.—*Orthoptera*: LETACQ, Orne, catalogue, **1796**.

(*f*) **Central and Eastern Europe.**

Insecta: ALFKEN, Memmert I., **47**; LEON, parasites, Rumania, **1775**; SABRANSKY, Styria, **2578**.—*Coleoptera*: BUCHKA, Lamellicornia, Germany, **401**; BURESCH, cavernicolous Coleoptera, Bulgaria, **410**; DELAHON, supplement to Schilsky's Syst. Verz. Käfer Deutschlands (1909), **694**; EVERTS, Coleoptera of Holland, list, **902**; FEJFER, Poland, additions, **925**; HARITONOV, Perm Govt., list, **1194**; HOFFMANN, vertical distribution of Carabidae, Alps, **1325**, Neusiedler Lake, Hungary, list, **1326**; KOLOSOV, Perm Govt., 2nd supplement, **1634**; RATHLEF, Baltic, additions, **2446**; SPESIVTZEV, Scolytidae, Russia, synopsis, **2831**.—*Hymenoptera*; BISCHOFF, Lithuania, **243**; CRÈVECOEUR, *Osmia*, Belgium, **629**; MEYER, Ichneumonidae, Minsk Govt., **1956**; NOSKIEWICZ, Aculeata, Polish Tatra, **2148**; RUSZKOWSKI, sawflies, Poland, additions, **2576**; SKAFF, Formicidae, Czechoslovakia, **2791**; STÖCKHERT, Franken, Bavaria, **2876**; TAVARES, Cynipinae, Iberian Peninsula, **2931**.—*Lepidoptera*: AICHELE, Württemberg, additions, **25**;

BENTINCK, apocryphal Dutch Macrolepidoptera, **191**; BEST, Schleiszheimer-Dachauer Moos, Germany, **218**; BIEZANKO, Ojcow, Poland, **236**; BRINKMANN, Microlepidoptera, Bremen, **364**; DANNEHL, Beuerberg and lower Loisach valley, **672**, S. Tyrol, **675**; DRENOVSKI, Rhodope Mts., **770**, vertical distribution in Bulgarian mountains, **771**; GROSS, Volga District, **1137**; HAUDER, Microlepidoptera of Upper Austria, **1217**; HOFFMANN & KLOS, Styria, **1334**; KOLOSOV, Perm Govt., additions, **1634**; LYCKLAMA à NIJEHOLT, list of Dutch Microlepidoptera, **1853**; MEYER & others, Pomerania, **1997**; MITTERBERGER, Microlepidoptera, Aspromonte Mts., **2024**; OSTHELDER, butterflies, South Bavaria, **2203**; RATHJE & SCHROEDER, Macrolepidoptera, Bremen, **2445**; REISS, Zygaenidae, Germany, **2471**; ROCCI & TURATI, Giglio I., Tuscany, list, **2520**; ROMANISZYN, Odessa, **2542**; STEPHAN, Noctuidae, Silesia, **2865**, Geometridae and Microlepidoptera, Glatz, **2866**; VORBRODT, butterflies of Switzerland, **3075**; WAGNER, Salzburg, **3089**; WARNECKE, Groszglockner, **3098**, Macrolepidoptera, Borkum I., **3100**.—*Trichoptera*: ULMER, Bialowies Forest, Poland, **3003**, Germany, **3004**.—*Diptera*: DUDICH, Nycteribiidae of Hungary, **780**; ENDERLEIN, Simuliidae, Bulgaria, **858**; GOETGHEBUER, Belgian Culicidae, **1080**; GOETGHEBUER & BASTIN, Sepsidae, Belgium, **1083**; PARAMONOV, Bessarabia and Ukraine, **2218**; SACK, Bialowies Forest, Poland, **2579**; SZILADY, Conopidae of Hungary, **2909**.—*Hemiptera*: HAUPT, Homoptera, Bavaria, **1220**; HOFMÄNNER, Heteroptera and Cicadidae, Swiss National Parks, **1344**; JACZEWSKI, Corixidae, Poland, **1450**; KRASUCKI, Heteroptera of lakes near Szklo, Poland, **1649**; ROYER, Heteroptera, Macedonia, **2565**; STICHEL, Heteroptera of Germany, **2872**.—*Thysanoptera*: KNECHTEL, Rumania, monograph, **1604**.—*Plecoptera*: SCHOENEMUND, Unterfranken, Bavaria, **2671**.—*Ephemeroptera*: SCHOENEMUND, Unterfranken, Bavaria, **2671**; ULMER, Bialowies Forest, Poland, **3003**.—*Odonata*: KOLOSOV, Perm Govt., **1634**. — *Orthoptera*: SALFI, *Rhacocleis*, **2586**; UVAROV, Acrididae of Russia and Siberia, **3014**. — *Collembola*: HANDSCHIN, Swiss National Parks, **1180**.

South Europe and Mediterranean Basin.

Coleoptera: ANDRES, Tenebrionidae of Thrace and Macedonia, **71**; AUZAT, Histeridae, Macedonia, **105**; FUENTE, Spain, Portugal and Balearics, list, **1023**.—*Hymenoptera*: LOMNICKI, Formicidae, Balearic Is., **1824**; MENOZZI, Formicidae, Modena province, **1975**; MÜLLER, Formicidae, Veniceand Dalmatia, **2079**; ROTH, *Sphex* of North Africa, **2549**. — *Lepidoptera*: GRAVES, Constantinople, list, **1109**; ROTHSCHILD, Cyrenaica, list, **2552**; STAUDER, Illyro-Adriatic, **2858**. — *Trichoptera*: LESTAGE, North Africa, **1794**.— *Neuroptera*: DIMITROWA, Myrmeleonidae of Bulgaria, Thrace and Macedonia, **727**; NAVÁS, Andalusia, **2115**, Iberian Peninsula, revision, **2116**.—*Diptera*: EFFLATOUN, Trypetidae, Egypt, **827**; KIRKPATRICK, Culicidae, Egypt, **1584**; KRÖBER, Egyptian Tabanidae, **1668**; PARENT, list of Dolichopodidae, Morocco, **2220**.—*Hemiptera*: SEABRA, synopsis of Heteroptera of Portugal, **2715**.—*Orthoptera*: ZANON, Orthoptera, Bengasi, **3210**; *Plecoptera*: LESTAGE, North Africa, **1794**.—*Ephemeroptera*: LESTAGE, North Africa, **1794**.—*Collembola*: DENIS, Italy, catalogue, **706**.

Caucasus, West and Central Asia.

Insecta: KUSNEZOV, vertical distribution of Turkestan insects, **1701**.—*Coleoptera*: ANDRES, Tenebrionidae of Angora, **71**; BLAIR, Heteromera, Mesopotamia, **261**.—*Lepidoptera*: GRAVES, Pyralidae, S. Palestine, **1110**, Rhopalocera, Palestine and Transjordania, **1111**; ROSEN, Rhopalocera, Pamir, **2547**. — *Orthoptera*: BEI - BIENKO, Orthoptera of Altai, **173**; UVAROV, Acrididae of Himalayas, **3018**.

Africa.

Coleoptera: BÉNARD, Anthiinae, **179**; GEBIEN, W. African Tenebrionidae, revision, **1046**; JEANNEL, Silphidae, E. Africa, **1459**. — *Hymenoptera*: ARNOLD, Sphegidae, S. Africa, **86**; BISCHOFF, Mutillidae, revision, **242**; SANTSCHI, revision of *Myrmicaria*, **2596**; SCHULTHESS, Vespidae, S.W. Africa, **2680**; STITZ, Formicidae, S.W. Africa, **2874**.—*Lepidoptera*: MACE & WHITFIELD, Khartoum, **1873**; RILEY, *Ceratrichia* (Hesp.), revision, **2495**, *Artitropa* (Hesp.), revision, **2497**; ROGERS & VAN SOMEREN, butterflies

of Kenya and Uganda, **2525**.—*Trichoptera*: ULMER, Sudan, **3002**.—*Diptera*: BEZZI, Bombyliidae, Egypt, **230**; BRUNETTI, Conopidae, **391**; EGGERS, Diopsidae, synopsis, **831**; MUNRO, Trypaneidae, S. Africa, **2089**.—*Hemiptera*: HESSE, S.W. Africa, **1297**.—*Orthoptera*: MILLER, Acrididae, Tukuyu, Tanganyika, **2013**; WERNER, Mantidae and Phasmidae, S.W. Africa, **3140**.

Madagascar and Mascarene Is.

Madagascar. *Coleoptera*: DESCARPENTRIES, *Euchroea benezechi* (Scarab.), Bull. Mus. Hist. nat. Paris **1925** p. 311; JANSON, Cetoniidae, **1454**; JORDAN, *Tophoderes* (Anthr.), **1491**; D'OLSOUFIEFF, Cetoniidae, **2193**; PIC, **2299, 2311**.—*Lepidoptera*: MEYRICK, *Scieropepla byblinopa*, **2001**; PROUT, Geometridae, **2398, 2399**.—*Trichoptera*: NAVÁS, **2110**.—*Neuroptera*: NAVÁS, **2108**.—*Hemiptera*: HORVÁTH, Heteroptera, **1374**.

Rodriguez I. *Hemiptera*: CHINA, Heteroptera, **505**; MUIR, Fulgoridae, **2074**.

Asia, Tropical and Eastern.

(Including Japan.)

Coleoptera: ARROW, Indian Endomychidae, Erotylidae and Languriidae, **87**; BOUCOMONT, Scarabaeidae, Indo-China, additions, **319**; CAMERON, Indian Staphylinidae, catalogue, **443**; FLEUTIAUX, Eucnemidae, Elateridae, Indo-China, list, **969**; GEBIEN, Tenebrionidae, **1048**; HORN, Cicindelidae, Indo-China, list, **1362**; JORDAN, Anthribidae, Indo-China, list, **1486**; KANO, Carabidae, Hokkaido, additions, **1516**, list of Cicindelidae and Carabidae of Korea, **1518**; KLEINE, key to genera of Indian Brenthidae, **1598**; MURAYAMA, Platypidae, Formosa, **2092**; PESCHET, Gyrinidae, Indo-China, **2261**; PIC, Malacoderms, Indo-China, list, **2288**; RIBEIRO, Indian Paussidae, **2484**; SUZUKI, Japanese Lucanidae, **2897**, Japanese Longicorns, **2898**; YOKOYAMA, Japanese Dermestidae, **3202**.—*Hymenoptera*: GEE, list of Chinese ants, **1049**; RAMAKRISHNA AYYAR, Indian Braconidae, list, **2435**, list of Indo-Ceylonese Chalcidoidea, **2438**; SANTSCHI, Formicidae, China, **2598**; TAKEUCHI, list of Japanese Pamphiliidae, **2915**; UCHIDA, Corean Hymenoptera, **2998**. — *Lepidoptera*: ANTRAM, butterflies of India, **82**; BELL, Indian Hesperiidae, **175**; CARADJA, Pyralidae, Tortricidae and Tineidae of China, **459**; DUBOIS & VITALIS DE SALVAZA, Satyridae, Amathusiidae and Nymphalidae, Indo-China, list, **772**; ESAKI, butterflies of Saghalin, **876**; FLETCHER, catalogues of Indian Syntomidae and Zygaenidae, **956**; FURUBATA, list of butterflies in Central Mountain Region of Formosa, **1027**; ISSHIKI, catalogue of Japanese Tortricina, **1437**; IWASE, butterflies of Mt. Takao, Japan, **1440**; KANO, butterflies of Japanese Alps, **1517**; MARUMO, list of Lepidoptera of Tanegashima and Yakushima Is., Japan, **1931**; MATSUMURA, Saghalin, list, **1946**; PROUT, *Abraxas*, Loo Choo Is., **2398**; SAKAGUCHI, butterflies of Okinawa Is., Japan, **2585**; SONAN, butterflies of Okinawa Is., **2816**.—*Neuroptera*: KUWAYAMA, Chrysopidae, Formosa, **1697**, Neuroptera, S. Saghalien, **1698**; WITHYCOMBE, Indian Coniopterygidae, **3182**. — *Mecoptera*: OKAMOTO, Korea, **2182**.—*Diptera*: BECKER, Asilinae, Formosa, **169**; CARTER, Anophelinae, Ceylon, **464**; KOIDZUMI, Culicidae, Formosa, **1627, 1628**; SCOTT, Nycteribiidae of India, Ceylon and Burma, **2713**; SENIOR-WHITE, revision of Indian Rhiniinae, **2747**, Culicidae, Ceylon, **2749**; SINTON, Indian *Phlebotomus*, **2785**; YAMADA, Japanese Anophelinae, **3195**.—*Hemiptera*: KATO, Japanese Cicadidae, **1535**; KUWANA, Japanese Monophlebinae, **1691**, Diaspine Coccidae of Japan, **1692**; KUWAYAMA, list of Japanese Psyllidae, **1695**; RAMAKRISHNA AYYAR, Coccidae, S. India, **2434**; SONAN, Nepidae of Japan, **2820**; TAKAHASHI, Aphididae of Formosa, **2911**. — *Thysanoptera*: SCHMUTZ, Ceylon, **2668**.—*Ephemeroptera*: LESTAGE, Indo-China, list, **1795**.—*Odonata*: FRASER, India, **995, 997**; LAIDLAW, Malay Peninsula, **1711**.—*Dermaptera*: BURR, Indo-China, list, **416**. — *Orthoptera*: KARNY, Malayan Gryllacridae, **1533**; KUWAYAMA, Japanese Mantispidae, **1699**; SONAN, Mt. Koya, Japan, **2819**; UVAROV, Indian Acrididae, **3008, 3018**, Acrididae, Yunnan, **3019**.—*Thysanura*: KUWAYAMA, Japanese Japygidae, **1694**.

Asiatic Archipelago.

Insecta: MJÖBERG, Dr. M's collections from Sumatra, **2027**.

—*Coleoptera*: GEBIEN, Tenebrionidae of Indo-Malayan Region, **1048**; HELLER, Curculionidae from Sumatra, **1230**; KREKICH-STRASSOLDO, Anthicidae of Philippines, **1650**; D'ORCHYMONT, Hydrophilidae of Philippines, **2196**; SCHULTZE, revision of Pachyrrhynchinae (Curc.), **2388**.—*Hymenoptera*: FRISON, Bombinae of Philippines, **1014**; WHEELER & CHAPMAN, Dorylinae and Ponerinae of Philippines, **3151**. — *Lepidoptera*: FOUNTAINE, Rhopalocera, Philippines, **985**.—*Diptera*: BRUG, Culicidae, boundaries of Oriental and Australian faunas, **385**; DYAR & SHANNON, Culicidae, Philippines, **806**; FREY, Dolichopodidae, Philippines, **1000**; SWELLENGREBEL, Anophelines of Dutch E. Indies, **2903**.—*Hymenoptera*: COCKERELL, Philippines, new bee, **567**.—*Homoptera*: SCHMIDT, Sumba Is., two new Cicadidae, **2660**.—*Orthoptera*: KARNY, Phyllophorinae, **1523**, Malayan Gryllacridae, **1533**.

Papuan Sub-region.

Buru I., Moluccas. *Coleoptera*: BENICK, *Stenus bucephalus* sp. n. (Staph.), **189**; CORPORAAL, Cleridae, list, **598**; HORN, Cicindelidae, **1368**; KLEINE, Brenthidae, Lycidae, **1595**; PESCHET, Gyrinidae, **2264**; PIC, *Mordellistena*, **2311**.—*Diptera*: EDWARDS, Culicidae, **822**; TOXOPEUS, *Anopheles*, **2978**.—*Orthoptera*: KARNY, Gryllacridae, **1525**.

Aru Is. *Coleoptera*: GEBIEN, *Platydema furcaticorne* sp. n. (Tenebr.), **1048**; OBENBERGER, *Polycesta aruensis* sp. n. (Bupr.), **2160**.—*Hemiptera*: HORVATH, **1372**.

Kei Is. *Hemiptera*: HORVATH, **1372**.

New Guinea. *Coleoptera*: ANDREWES, *Tachys* spp. n. (Carab.), **76**; ARROW, Geotrupidae, **88**, Erotylidae, **90**; AURIVILLIUS, Lamiidae, **97**; BERCHMANS, *Potemnemus wolfi* sp. n. (Longic.), Ent. Rdsh. Stuttgart **42** 1925 p. 3; BORCHMANN, Lagriidae, **303**; CAMERON, Staphylinidae, **439**, **440**, **444**; CSIKI, *Perigona* spp. n. (Carab.), **637**; GEBIEN, *Pentaphyllus bifasciatus* sp. n. (Tenebr.), **1048**; GILLET, *Coptodactyla tuberculata* sp. n. (Copr.), **1063**; HELLER, Curculionidae, **1256**, **1258**; HORN, *Distipsidera thierfelderi* sp. n. (Cicind.), **1363**; JORDAN, Anthribidae, **1491**; KLEINE, Brenthidae, **1589**, **1599**; KRIESCHE, Lucanidae, **1657**; LEA, *Doryphoroides bicolor* sp. n. (Chrysom.), **1740**; MOSER, *Lepidiota* sp. n. (Melol.), **2063**; OBENBERGER, Buprestidae, **2160**, **2162**; OCHS, Gyrinidae, **2170**; PIC, Lycidae and a Tenebrionid, **2299**; SCHMIDT, Aphodiidae, **2654**; SCHWARZER, Lamiidae, **2704**; THÉRY, Buprestidae, **2943**, **2947**; WINN-SAMPSON, Platypidae, **3179**; WOLFRUM, Anthribidae, **3186**; ZIMMERMANN, *Dineutes* sp. n. (Gyrin.), **3220**.—*Hymenoptera*: BRUES, *Leucospis* sp. n. (Chalc.), **381**; MAIDL, Apidae, **1883**; ROHWER, *Zaspilothynnus cyaneiventris*, sp. n. (Thynn.), **2537**; STITZ, *Odontomachus* (Formic.), **2875**.—*Lepidoptera*: EECKE, **826**; GAEDE, Arctiidae, **1030**; HERING, *Clebea explorata* sp. n. (Zyg.), **1289**; HULSTAERT, Rhopalocera, **1400**; JOICEY & TALBOT, Rhopalocera, **1481**; MEYRICK, Tineidae and Tortricidae, **2000**, **2001**; PFEIFFER, Uraniidae, **2280**; ROBER, Rhopalocera, **2511**.—*Diptera*: BEQUAERT, *Nycterimyia papuana* sp. n. (Nemest.), **194**; CILENTO, Anophelinae, **529**; CRESSON, *Athyroglossa evidens* sp. n. (Ephydr.), **625**; ENDERLEIN, Tabanidae, **861**; DUDA, *Leptocera* (Borb.), **778**; HILL, *Anopheles*, **1305**; SWELLENGREBEL & SWELLENGREBEL DE GRAAF, new var. of *Anopheles*, **2904**.—*Homoptera*: LALLEMAND, Cercopidae, **1719**.—SCHMIDT, *Saramtus* (Membrac.), **2658**.—*Orthoptera*: BOLÍVAR Y PIELTAIN, Eumastacidae, **297**; KARNY, Phyllophorinae, **1523**, Gryllacridae, list, **1524**; SHAW, *Elfridaia*, *Stylopyga* spp. n., **2756**; *Odonata*: KENNEDY, Megapodagrioninae, **1556**.

New Britain. *Coleoptera*: KNISCH, Hydrophilidae, **1619**; KRIESCHE, Lucanidae, **1657**; OCHS, Gyrinidae, **2170**.—*Diptera*: HILL, *Anopheles*, **1305**.—*Homoptera*: LAING, *Farinococcus simmondsi* sp. n., **1717**.

New Ireland. *Lepidoptera*: JORDAN, Zygaenidae, **1489**; PROUT, Geometridae, **2398**; ROTHSCHILD, *Delias eximia* sp. n., **2550**.—*Orthoptera*: SHAW, *Dorylaea flavifrons* sp. n., **2756**.

New Hanover. *Lepidoptera*: JORDAN, Zygaenidae, **1489**; PROUT, Geometridae, **2398**; ROTHSCHILD, *Delias bagöe restricta*, **2550**.

Bismarck Arch. *Lepidoptera*: JOICEY & TALBOT, *Danaida*, Rooke I., **1481**; JORDAN, *Homophylotis* (Zyg.),

Feni I., **1489**; PFEIFFER, Uraniidae, **2280**; PROUT, Geometridae, **2398**.—*Orthoptera*: KARNY, Phyllophorinae, **1523**.

Solomon Is., *Coleoptera*: HORN, *Cicindela*, **1365**.—*Lepidoptera*: EHRMANN, *Ornithoptera resplendens* sp. n., **834**; JOICEY & TALBOT, *Danaida*, Bougainville I., **1481**; PROUT, *Collix* (Geom.), **2398**; STRAND, *Hasora kieta*, **2881**.—*Diptera*: EDWARDS, Culicidae, **820**.—*Isoptera*: SNYDER, Termitidae, **2811**.—*Orthoptera*: KARNY, Phyllophorinae, **1523**.

Goodenough I, *Lepidoptera*: MEYRICK, *Melodryas zonotorna* sp. n., **2001**.

Woodlark I. *Coleoptera*: JORDAN, *Rhaphitropis asterias* sp. n. (Anthr.), **1491**.

Louisiade Arch. *Lepidoptera*: MEYRICK, *Imma aristopa*, Rossel I., **2001**; PROUT, *Hypochrosis* (Geom.), Sudest I., **2398**.

Australia and Tasmania.

Insecta: TILLYARD, origin of Australian fauna, **2953**; CHISHOLM, Comboyne Plateau, N.S.W., **513**. — *Coleoptera*: CARTER, *Chrysobothris* (Bupr.), revision, **466**; ELSTON, Elateridae, revision, **842**; GOUDIE, North-Western Victoria, **1100**; LEA, Anobiidae, **1738**, Histeridae, **1741**.—*Hymenoptera*: CLARK, ants of Victoria, **535**.—*Lepidoptera*: TURNER, Lasiocampidae, revision, **2990**, present distribution and past history of Australian butterflies, **2991**, Lepidoptera of Yeppoon, **2992**.—*Trichoptera, Neuroptera*: TILLYARD, Groote Eylandt, **2959**. — *Diptera*: BRUG, Culicidae, limits of Oriental and Australian faunas, **385**; CILENTO, Anophelines, N. Australia, **529**; ENGEL, Rutiliinae, revision, **866**; HARDY, Nemestrinidae, revision, **1192**, Mydaidae, revision, **1193**; HILL, N. Australian Culicidae, **1304**, *Anopheles* of Australia, **1305**; MUSGRAVE, Nycteribiidae, revision, **2094**; TONNOIR, Platypezidae, revision, **2970**, Simuliidae, revision, **2971**.—*Isoptera*: HILL, list of Termites of Victoria, **1307**.—*Odonata*: TILLYARD, Groote Eylandt, **2959**.

New World.

Coleoptera: NOTMAN, Osoriini (Staph.), **2153**; SCHAEFFER, Donaciini, **2612**.—*Lepidoptera*: HOLLAND & SCHAUS, catalogue of Epipaschiinae, **1348**.

North America.

Insecta: COCKERELL, entomology of the Gulf of California, **552**.—*Coleoptera*: BEAULNE, Canada, **167**; BLAISDELL, check-list of *Eleodes* (Tenebr.), **265**; BLATCHLEY, Chrysomelidae, Florida, **270**; CHAMBERLIN, Buprestidae, Oregon, **479**; HATCH, Cranberry Lake Region, New York, **1213**; MUNDINGER, Cranberry Lake Region, **2087**; MUTCHLER & WEISS, *Conotrachelus* (Curc.), N. Jersey, **2096**.—*Hymenoptera*: BEQUAERT, *Ancistrocerus* (Vespidae), **193**; BEQUAERT & PLATH, list of Bombidae, Connecticut, **199**; HAYES, Formicidae, Kansas, **1227**; MICKEL, synopsis of Sphecoidea, Nebraska, **2011**; MUESEBECK, *Microbracon*, **2066**; SANDHOUSE, *Osmia*, Canada, **2594**; SMULYAN, *Tenthredella*, New England, **2805**; VIERECK & others, Hymenoptera of Connecticut, **3060**.—*Lepidoptera*: BLACKMORE, Geometridae, Br. Columbia, **250**, *Hydriomena* (Geom.), B.C., **253**, Lycaeninae, B.C., **254**, Sphingidae, B.C., **256**; BRAUN, Microlepidoptera of N. Utah, **341**; COMSTOCK, butterflies of California, **590**.—*Neuroptera*: SMITH, Kansas, **2801**.—*Mecoptera*: SMITH, Kansas, **2801**.—*Diptera*: ALDRICH, Sarcophagidae, **34**; CAMPBELL & DAVIDSON, aphidophagous Syrphidae, S. California, **445**; CURRAN, revision of *Neoascia* (Syrph.), **654**, *Peleteria* (Tach.) revision, **642**; FROST, leafmining Diptera of N. America, **1017**; HUCKETT, Anthomyiinae, New York, **1394**; HOFFMAN, *Culicoides*, N. America, **1322**; HULL, *Eristalis* (Syrph.) revision, **1399**; SPULER, Borboridae, **2838**, **2839**. — *Hemiptera*: BUYS, Cicadellidae, Ithaca, **427**; CUTRIGHT, subterranean Aphids of Ohio, **662**; JEWETT, grape leafhoppers of Bluegrass Kentucky, **1470**; KNIGHT, list of Miridae and Anthocoridae, Alberta, **1611**.—*Plecoptera*: NEEDHAM & CLAASSEN, revision, **2133**.—*Odonata*: HOWE, New England, list, **1388**. — *Orthoptera*: HEBARD, South Dakota, **1231**, Taeniopodae, **1232**; HUBBELL, distributional notes, **1393**.

Central America.

Diptera: DYAR, mosquitos of Panama, **798**; HOFFMAN, *Culicoides*, **1322**.

Antilles.

Coleoptera: FISHER, West Indian Buprestidae, **947**.—*Hymenoptera*: VIERECK, Barbados and Antigua, **3059**.—*Lepidoptera*: HALL, list of butterflies of Hispaniola, **1170**; KAYE, Rhopalocera of Trinidad, **1538**; LATHY, *Castnia*, Trinidad, **1730**.—*Diptera*: HOFFMAN, *Culicoides*, **1322**.—*Homoptera*: METCALF & BRUNER, Cercopidae, Cuba, **1991**.

South America.

Insecta: CAMPOS, Ecuador, **447–450**; WERNER, Bonaire I., **3142**.—*Coleoptera*: CAMPOS, Ecuador, lists, **447**, **450**; MOREIRA, Passalidae of Brazil, **2045**; SCHMIDT, Callichrominae, revision, **2661**.—*Hymenoptera*: CAMPOS, Ecuador, **447**; DUCKE, catalogue of Brazilian Chrysididae, **773**, catalogue of Brazilian Social Wasps, **776**; HOLMBERG, *Psaenythia* (Apidae) revision, **1350**.—*Lepidoptera*: CAMPOS, Ecuador, list, **447**; KRÜGER, Morphidae, Colombia, **1672**; LINDSEY, Hesperiidae, **1814**; STICHEL, Erycinidae, **2869**.—*Trichoptera*, *Neuroptera*: CAMPOS, Ecuador, **447**.—*Diptera*: ALEXANDER, Tipulidae, Mexico, **40**; BONNE & BONNE-WEPSTER, Mosquitos of Surinam **301**; CAMPOS, Culicidae of Ecuador, **447**; HOUARD, galls, **1380**.—*Hemiptera*: CRAWFORD, Psyllidae, **621**; DELÉTANG, Cicadidae, Argentina, revision, **695**; GODING, Membracidae, Ecuador, **1077**, Cercopidae, Ecuador, **1078**; HAVILAND, Membracidae, Br. Guiana, **1224**; HEMPEL, Coccidae of Brazil, **1266**.—*Isoptera*: EMERSON, Termites, Br. Guiana, **853**.—*Dermaptera*, *Orthoptera*: CAMPOS, Ecuador, **447**.

FOSSIL INSECTS.

BOLTON, coal measures of Commentry, **298**; CAMERON, Tertiary lake deposits of Simikameen Valley, Br. Columbia, **436**; COCKERELL, **557**, Eocene fly, *Eophlebomyia*, **556**, Eocene, Colorado, **558**, Tertiary, Siberia, **559**, new *Enallagma* (Odon.), **563**, new *Heriades*, Miocene, **564**, Tertiary, Argentine, **566**; COCKERELL & CUSTER, *Inocellia exusta* sp. n., **568**; COCKERELL & SNYDER, *Ulmeriella* (Isop.), **571**; COLLINS, *Mastotermes wheeleri* sp. n., **584**; KENNEDY, Odonata, **1556**; MARTYNOV, Orthopteroid, Permian, **1927**, Jurassic, Turkestan, **1928**, **1929**; TILLYARD, Coleoptera, Upper Permian, **2954**, Odonata, Permian, **2960**, British Odonata, Liassic, **2961**, Rhaetic Tipulidae, **2962**; WIELAND, Rhaetic Tipulidae, Argentine, **3158**.

III.—SYSTEMATIC.

GENERAL.

Ancient and present day entomology, ADKIN Proc. S. London Ent. Soc. **1924–25** pp. 28–44.

Insects of the newly formed North Sea Island Memmert, ALFKEN Abh. Nat. Ver. Bremen **25** 1924 pp. 358–481.

Concerning the habits of Insects, BALFOUR-BROWNE Cambridge, University Press 1925 x + 169 pp. 9 pls. 4 figs.

Forest Entomology, BARBEY Berger-Levrault, Nancy–Paris–Strasbourg 1925 749 pp. 8 pls. 496 figs.

Insecta of one quarter of a square mile of jungle at Kartabo, British Guiana, BEEBE Zoologica **6** pp. 65–107.

Observations on organisms living in the Volga river-bed, BEHNING Monogr. Biol. Wolga Sta., 1924 no. 1 398 pp. many figs.

Insects living in thermal waters, Yellowstone Park, BRUES Proc. Amer. Acad. Arts Sci. **59** 1924 pp. 371–437 1 pl. 5 figs.

Insect vision in connection with flower fertilization, BURKILL Singapore Nat. no. **5**, pp. 23–46 figs.

Fossil insects of Tertiary lake deposits of the Simikameen Valley, B.C., CAMERON Proc. Ent. Soc. Br. Columbia no. **10** 1918, pp. 21–29.

Introduction to Entomology 1st complete edn., 3rd edn. pt. 1, COMSTOCK Ithaca, N.Y. 1924 xix + 1044 pp. 1228 figs.

Household insects and their control, DINGLER Berlin, P. Parey 1925 96 pp. 64 figs.

Fauna of Wicken Fen, FARREN Nat. Hist. Wicken Fen, **1**. 1923 pp. 53–64. LUCAS *op. cit.* 1925 pp. 65–86. HUTCHINSON *op. cit.* pp. 100–103. HANCOCK pp. 122–139.

Insects collected in Canada during 1924, CRIDDLE 55th Ann. Rept. Ent. Soc. Ontario **1924**, Toronto 1925 pp. 89–106.

Insects and diseases of man, FOX London, H. K. Lewis & Co. 1925 vi + 349 pp. 92 figs.

Insects used as food in Burma, GHOSH Rept. Proc. 5th ent. Meet. Pusa, **1923**, Calcutta 1924 pp. 403–405 figs.

The History, Literature, Technique, Palaeontology, Phylogeny and Classification of Insects, HANDLIRSCH Schröder's Handbuch der Entomologie **3** 1201 pp. 1040 figs.

Insects in Tibet, hibernation and adaptation, HINGSTON in The Fight for Everest 1924, 1925 pp. 267–289.

A general textbook of Entomology, IMMS London, Methuen & Co. Ltd. 1925 xii + 698 pp. 607 figs.

An attempt to apply mathematical statistical methods to systematic entomology, KÉLER Polsk. Pismo ent. **4** pp. 150–166.

Recent and fossil insect faunas of Central Europe briefly compared, KOLBE D. ent. Zs. **1925** pp. 147–162.

Insect Ecology in Åland, LINDBERG Medd. Soc. Fauna et Fl. Fenn. **49** pp. 48–57, 226.

Entomological notes from Upper Austria, MÜLLER Zs. österr. Ent.-Ver. **10** pp. 63–66, 74–77, 89–92, 99–102, 107–109, 120–121.

Sorauer's Handbuch der Pflanzenkrankheiten, REH and others, **4** Animal Pests of Plants, Part 1, pp. xvi + 483 218 figs. 1925.

Insect ecology of an Illinois elm-maple forest, WEESE Ill. Biol. Monogr. **9** pp. 345–438.

Les Sociétés d'Insectes ; leur origine, leur évolution, WHEELER, Paris.

Amount of food eaten by insects, WOLCOTT J. Dept. Agric. Porto Rico **9** pp. 47–58.

COLEOPTERA.

Capture and rearing of aquatic Coleopterous larvae, BERTRAND Ann. Soc. ent. Fr. **94** pp. 441–446.

Coleoptera of Canada [continued], BEAULNE Nat. canad. **52** pp. 92–96, 113–119, 141–144.

Coleoptera Lief. 1 : Cicindelidae to Histeridae, BLUNCK and others Syllabus der Insektenbiologie, Berlin **1925** pp. 1–136.

Systematic notes on Coleoptera of Chatham Is., BROOKES Rec. Canterbury Mus. **2** pp. 285–294 figs.

Catalogue of Coleoptera of Provence (contd.), CAILLOL Soc. linn. Prov. 1921–24 pp. 237–508.

Classified catalogue of Coleoptera of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte **1921** no. 6 pp. 24–100 3 pls.

Coleoptera new to Britain, DONISTHORPE Trans. Ent. Soc. Lond. **1924** p. lxxxvii.

Rare Coleoptera, Seine Inférieure, DUPREZ Bull. Soc. Étude Sci. nat., Elbeuf **42** (1923) 1924 p. 52.

Coleoptera collected in Trebizond & Gumisch-Chane districts of Asia Minor, EICHLER Polsk. Pismo ent. **4** pp. 29–33, 201–209.

Corrections to "Coleoptera Neerlandica" III, EVERTS Ent. Ber. **6** pp. 371–380.

List of Coleoptera from Holland and adjoining countries, EVERTS Zutphen 1925 pp. 1–140.

Catalogue of Coleoptera, Spain and Balearic Islands, DE LA FUENTE y MORALES Bol. Soc. ent. España **8** pp. 22–25, 41–56, 65–80, 89–104, 106–121.

Biological notes on Coleoptera of North Western Victoria, GOUDIE Vict. Nat. **41** pp. 192–197; **42** pp. 92–98.

Additions and corrections to A. Winkler's Catalogus Coleopterorum Regionis Palaearcticae, GRIDELLI Boll. Soc. ent. ital. **57** pp. 127–128.

Coleoptera occurring in Denmark on willow and poplar, HANSEN Flora og Fauna **1924** pp. 129–141.

Revision of Danish Lamellicornia, HANSEN Danmarks Fauna 1925 pp. 1–124 46 figs.; larvae, HENRIKSEN ibid. pp. 125–179, 30 figs.

Coleoptera of Perm Government, additions, HARITONOV Bull. Soc. oural. d'Amis Sci. nat. **37** 1917 pp. 40–43.

A list of Coleoptera from Charlevoix County, Michigan, HATCH Pprs. Michigan Acad. Sci. Arts & Letters **4** pp. 543–585.

Preliminary list of the Coleoptera of Cranberry Lake Region, New York, exclusive of Buprestidae, Cerambycidae and Ipidae, HATCH New York State Coll. Forestry Tech. Pubn. **17** 1924 pp. 273–312.

Coleoptera from the Neusiedler Lake district (Hungary), HOFFMANN Ent. Anz. **5** pp. 75 etc.; **6** pp. 1–4.

Markings on elytra of Brenthidae, KLEINE Arch. Natg. **86** A8 1921 pp. 1–83.

Second supplementary list of beetles of Perm Government, KOLOSSOFF Bull. Soc. oural. d'Amis Sci. nat. **39** 1924 pp. 67–76.

Notes on bred Coleoptera, LECOMTE Bull. Soc. ent. Fr. **1923** pp. 192–194, 226; **1924** pp. 168–170; **1925** pp. 294–296.

Biology of German Coleoptera, LENGERKEN Biol. Tiere Deutsch. Teil **40** pp. 105–168 49 figs.

Coleoptera of the Aland Islands, LINDBERG Medd. Soc. Fauna et Fl. Fenn. **48** (1921–1922) 1925 pp. 29–60.

Coleoptera of Egypt and Sinai, PIC Bull. Soc. R. ent. Egypte **1924** pp. 392–397.

The Coleopterous fauna of the Leningrad Government, REICHARDT Rev. russe Ent. **18** 1924 pp. 217–222.

Contribution to the Coleopterous fauna of Czecho-Slovakia, ROUBAL Bull. Soc. ent. Fr. **1925** pp. 61–63.

Publications on Coleoptera of Baden and adjacent territories from 1666, RUDY Mitt. Badischen ent. Ver. **1** pp. 172–186.

Some Coleopterous types of C.P. Thunberg, SCHENKLING Ent. Tidskr. **46** pp. 202–203.

Catalogue of palaearctic Coleoptera from Hydrophilidae to Buprestidae, WINKLER Catal. Col. Reg. Pal. pts. **3**, **4**, **5** pp. 241–624.

CICINDELIDAE.

Notes on Cicindelidae of the Lyons district, BONNAMOUR Ann. Soc. linn. Lyon **71** pp. 107–119.

Classification and synonymy of Cicindelidae of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte **1923** no. 15–18 pp. 3–23 fig.

Morphology, taxonomy and ecology of the larvae of Holarctic tiger-beetles, HAMILTON Proc. U.S. Nat. Mus. **65** art. 17 87 pp. 12 pls.

Cicindelidae of Fr. Indo-China, HORN Faune ent. Indochine fasc. **8** 1924 24 pp. figs.

Annotated list of Cicindelidae from Buru Island (Moluccas), HORN Treubia **7** pp. 8–10.

List of Cicindelids of Korea, KANO Insect World **27** 1923 pp. 377–384.

Cicindela punctulata feeding habits pp. 275–276, BALDUF Ent. News **36**.—*C. latisignata* Lec. (=*obliviosa* Casey) p. 80, *saulcyi* Schp. (=*apricoidea* Casey) p. 81, BLAISDELL Ent. News **36**.—*C. formosa* **r. n.** *fletcheri* Montana p. 127, CRIDDLE Can. Ent. **57**.—*C. paludosa* **ab. n.** *casadellae* Spain p. 122 figs., GINER-MARI Bull. bi-mens. Soc. linn. Lyon **2** 1923.—*C. agnata* **subsp. n.** *biprolongata* Laos p. 15, HORN Faune ent. Indochine fasc. **8** 1924.—*C. balzani* **subsp. n.** *rotundato-dilatata* Bolivia p. 180, *pilosipes* **sp. n.** Honduras p. 181 fig., HORN Rev. chil. Hist. nat. **29**.—*C. cabinda* a form of *C. leucoptera* Dj., *jordaniana* a race of *fastidiosa* Dj. p. 136, *flavosignata* **subsp. n.** *flavoreducta* E. Africa, *mutata* Flt. a subsp. of *cognata* Wdm., *grossula* **sp. n.** S. India p. 137, *decemguttata* **subsp. n.** *marmorata* Bougainville & Solomon Is. p. 138, *pseudo-rafflesia* **sp. n.** N. Australia p. 139, HORN Ent. Bl. **21**.—*C. henryi* **sp. n.** Ceylon p. 165, HORN Ent. Rec. **37**.—*C. longilabris* **f. n.** *chamberlaini* Oregon p. 182, KNAUS Pan-Pacific Ent. **1**.—*C. lunulata* **abb. n.** *marvieri, barthei* Gironde p. 10, TAREL Actes Soc. linn. Bordeaux **77**.—*C. silvicola* **ab. n.** *agni* France p. 62, TAREL Misc. ent. **28**.

Collyris convergente-frontalis p. 5, *vitalisi* p. 10, **spp. n.** Fr. Indo-China, HORN Faune ent. Indochine fasc. **8** 1924.—*C. planifrontoides* **sp. n.** Ceylon p. 165, HORN Ent. Rec. **37**.—*C. albitarsipennis* Borneo, *subtil-obscurata* Philippines, **spp. n.** p. 133, HORN Ent. Bl. **21**.

Ctenostoma immaculatum **sp. n.** Ecuador p. 182, HORN Rev. chil. Hist. nat. **29**.—*C.* (*Procephalus*)*angusto-obliquatum* **sp. n.** Costa Rica p. 132, HORN Ent. Bl. **21**.

Cylindella **n. n.** for *Cylindera* Westw. nec Newm. p. 238, JACOBSON Rev. russe Ent. **18** 1924.

Cylindera Westw. nec Newm. see *Cylindella*.

Distipsidera thierfelderi **sp. n.** New Guinea p. 179, HORN Ent. Mitt. **14**.

Dromica (*Myrmecoptera*) *mesothoracia* **subsp. n.** *prolongate-signata* Belgian Congo p. 136, HORN Ent. Bl. **21**.

Odontochila camposi **sp. n.** Ecuador p. 183, HORN Rev. chil. Hist. nat. **29**.

Omus cupreonitens Blaisdell & Reynolds (= *reynoldsi* Casey) p. 79, BLAISDELL Ent. News **36**.

Prothyma guttipennis Boh. a subspecies of *P. versicolor* Dj. p. 136, HORN Ent. Bl. **21**.

Therates erinys **subsp. n.** *crebrepunctulata* **n. n.** for *crebrepunctata* Horn p. 134, HORN Ent. Bl. **21**.

Tricondyla macrodera **subsp. n.** *abrupte-sculpta* China p. 327, HORN Ent. Mitt. **14**.

CARABIDAE.

Notes on types of Carabids described by F. Ancey, ALLUAUD Bull. Soc. ent. Fr. **1925** pp. 175–177.

Notes on the Nebriini (Carabinae) with keys, BÄNNINGER Ent. Mitt. **14** pp. 180–195, 256–281, 329–343.

Tableaux de détermination des Carabides de la faune franco-rhénane (notes complémentaires), BARTHE Misc. ent. **26** & **27** 1924 sep. pag. 497–536.

Notes on various Trechinae, BOKOR Ent. Mitt. **14** pp. 362–368.

Revision of Anthiinae of B.E. Africa, BÉNARD Voy. Sabault Afrique Or. Angl. **1923** pp. 3–34 figs.

Ecology of German Carabidae, DAHL Mitt. Zool. Mus. Berlin **12** pp. 1–101.

Distribution of Carabidae in the Alps, HOFFMANN Ent. Anz. **5** pp. 57–60.

Addition to the Carabid fauna of Hokkaido, KANO Insect World **26** 1922 pp. 125–126; **27** 1923 pp. 48–50.

List of Carabids of Korea, KANO Insect World **27** 1923 pp. 377–384.

Review of the Pseudomorphidae and a suggestion for a re-arrangement of the Adephaga, with keys, NOTMAN Proc. U.S. Nat. Mus. **67** art. 14 34 pp.

Notes on Carabids, PUEL Misc. ent. 22 1914 pp. 29–36 ; **24** 1919–20 pp. 69–70, 75–77, 89–93 ; **27** 1923 sep. pp. 17–32 ; **27** 1924 sep. pp. 33–47 ; **28** 1925 sep. pp. 49–64 ; **29** sep. pp. 1–48.

Abax continuus **subsp. n.** *wüsthoffi* Switzerland, SCHAUBERGER Ent. Anz. Vienna **5** 1925 p. 53.

Acinopus doderoi **sp. n.** Cyrenaica p. 130, *picipes* var. *baudii* Fiori a geographical race of *subquadratus* p. 133, GRIDELLI Boll. Soc. ent. ital. **57**.

Acupalpus dorsalis **abb. n.** *melanotus*, *subimmundus* p. 31 ; *luteatus* **abb. n.** *atriceps*, *marthae* p. 32 **27** 1923 ; *flavicollis* **ab. n.** *barthei* p. 64 **28** France, PUEL Misc. ent.

Adelotopus key p. 6, *niger* Australia p. 8, *puncticollis*, *seriepunctatus* Victoria p. 9 **spp. n.** *ipsoides* Westw. see *Cainogenion* p. 11, NOTMAN Proc. U.S. Nat. Mus. **67** art. 14.

Amara atlantis **sp. n.** Morocco p. 26, ANTOINE Bull. Soc. Sci. nat. Maroc **5**.—*A. chobauti* **sp. n.** Algeria p. 27, PUEL Misc. ent. **27** 1923.

Anillus joffrei **sp. n.** France p. 255, DEVILLE Bull. Soc. ent. Fr. **1925**.

Anthia helluonoides see *Triaenogenius sculpturatus*.

Aphaenops ochsi **sp. n.** p. 35, *jeanneli* **subsp. n.** *meridionalis* p. 36, Pyrenees, GAUDIN Bull. Soc. ent. Fr. **1925**.

Apotomopterus telemachus, *adolescens* **spp. n.** Hunan p. 37, *davidis* **var. n.** *infortunarus* China p. 43, HAUSER Soc. ent. **40**.

Arctaphaenops **subgen. n.** see *Trechus*.

Asaphidion key p. 50, *cupreum*, *granulatum* p. 51, *fragile* p. 55 China, *obscurum* p. 52, *cuprascens* p. 53, *griseum*, *viride* p. 54, *substriatum* p. 56, *ornatum* p. 57 India, **spp. n.** ; *championi* p. 52, *indicum* p. 55, *semilucidum* p. 57 redescribed figs., ANDREWES Ent. Mo. Mag. **61**.

Badister key p. 25, *kricheldorffi* **sp. n.** no locality, *unipustulatus* **ab. n.** *sexpustulatus* p. 26, *bipustulatus* **ab. n.** *marginatus* p. 27, **varr. n.** *meridionalis*, *antoinei* p. 28, France, PURI Misc. ent. **29**.

Bembidium (*Nepha*) *alluaudi* p. 21, (*Philochtus*) *gazella* p. 23, **spp. n.** Morocco, ANTOINE Bull. Soc. Sci. nat. Maroc **5**.—*B.* (*Bembidion*) *suspectum* Blais. not a synonym of *indistinctum* Dej. p. 82, BLAISDELL Ent. News **36**.—*B. lampros* **ab. n.** *virens* Silesia p. 43, KOLBE Jahresh. schles. Ver. Insekt. **14** 1924.—*B.*, key p. 69, *decorum* **var. n.** *clermonti* Balearic Is. p. 70, PUEL Misc. ent. **24** 1919.—*B. coerulescens* California p. 65, *utahensis* Utah p. 66, **spp. n.**, VAN DYKE Pan-Pacific Ent. **2**.

Brachynus aberrations pp. 235–236, in the collection of Motschulsky pp. 251–254, ILJIN Rev. russe Ent. **18** 1924.—*B.* (*Pseudaptinus*) *pecoudi* **sp. n.** Asturia p. 58, PUEL Misc. ent. **28**.

Cainogenion **gen. n.** for *Adelotopus ipsoides* Westw. p. 11, NOTMAN Proc. U.S. Nat. Mus. **67** art. 14.

Calosoma bastardi **sp. n.** Madagascar p. 163, ALLUAUD Bull. Mus. Hist. nat. Paris **1925**.—*C. linelli* **sp. n.** Galapagos Is. p. 221, MUTCHLER Zoologica **5**.—†*C. fernquisti* **sp. n.** Upper Miocene, Washington State p. 14 fig., COCKERELL Proc. U.S. Nat. Mus. **64** art. 13 1924.

Carabus monograph of Catalonian 157 pp., 51 figs., CODINA Entom. de Catalunya [1917].—*C.*, faunistic significance of races in Brandenburg pp. 314–322, KOLBE Ent. Mitt. **14**.—*C.*, hybrids in Switzerland p. 33, JÖRGER Schweiz. ent. Anz. **4**.—*C.*, biology pp. 114–119, KERN Ent. Bl. **21**.—*C. famini* **subsp. n.** *mairei* Grand Atlas p. 18 fig., ANTOINE Bull. Soc. Sci. nat. Maroc **5**.—*C. violaceus* **subsp. n.** *asturiensis* p. 1, *latus* **subsp. n.** *asturiens* p. 2 Spain, *morbillosus* **subsp. n.** *lampedusae* Lampedusa Is. p. 25, BORN Soc. ent. **40**.—*C. solieri* **var. n.** *fusco-aeneus* Basses-Alpes p. 73, CLERMONT Misc. ent. **28**.—*C. solieri* var. *fusco-aeneus* Clerm., an artificial sp. p. 14, BORN Misc. ent. **29**.—*C.* (*Hadrocarabus*) *latus* varr. *brevis* & *albarracinus* compared p. 59, CODINA Bol. Soc. ent. España **8**.—*C. convexus*, Italian forms pp. 74–78, DEPOLI Boll. Soc. ent. ital. **57**.—*C. cantabricus* **var. n.** *liebei* Pyrenees p. 334, EIDAM D. ent. Zs. **1925**.—*C. auratus* **var. n.** *hilairei* France p. 71, GAVOY Misc. ent. **28**.—*C.* (*Pseudocechenus*) *pseudonothus* **varr. n.** *gspani* Krain, *hajeki* S. Steiermark p. 63, KOBMANN Mitt. münchn. ent. Ges. **15**.—*C. hemprichi* **subspp. n.** *damascenus* Palestine p. 145, *rugina* Adana p. 147 ; *hummelii* **subspp. n.** *multistriatus* no locality, *buriata* Amur p. 150, *stolidus*

Siberia p. 152 ; *coriaceus* **subspp. n.** *italicus* Italy, *bodemeyeri* Constantinople p. 158, *persa* Persia p. 162 ; *scowitzii* **subsp. n.** *kolatensis* Caucasus p. 162 ; *splendens* **subsp. n.** *pallens* France p. 163 ; *punctatoauratus* **subsp.n.** *bigerrio* Pyrenees p. 164 ; *auronitens* **subspp. n.** *crassepunctus* France, *borni* Switzerland p. 165; *pyrenaeus* **subsp. n.** *cerdanus* Pyrenees p. 167 ; *nicolasi* Narine p. 168, *tenuipes* Alatau p. 169, *puellus* Chaine Alexandre p. 170, *parviceps* Alatau p. 171 **spp. n.** ; *creutzeri* **subsp. n.** *heros* Croatia p. 172 ; *problematicus* **subsp. n.** *progressus* England ; *macrocephalus* **subspp. n.** *ahascoanus* p. 173, *barcelecoanus* p. 174, France ; *errans* r. *amplipennis* **n. n.** for *errans errans* Deyrolle nec Gory p. 175 ; *errans pseudosteuarti* **n.n.** for *steuarti* Reitter p. 176 ; *auratus* **subspp. n.** *ruthenus, navarricus* France p. 177 ; *gotschii* **subsp. n.** *anceps* no locality p. 181 ; *victor* **subspp. n.** *obtritus* Ural, *transeuns* Scutari p. 182 ; *unctus* **var. n.** *mollis* Syria p. 183, *phoenix* **sp. n.** Saida p. 184, *arvensis* **subspp. n.** *amurensis* Amur p. 185, *hokkaidensis* ; *granulatus* **subspp. n.** *praedator* Hokkaido p. 186, *gobiensis* Mongolia p. 187, *luctuosus* Tonkin, *daghestanicus* Daghestan p. 188, *ponticus* p. 189 ; *maeander* **subspp. n.** *nemorensis* Japan, *atlanticus* St. Pierre Miquelon p. 191 ; *aeruginosus* **subsp. n.** *cereus* Transbaikalia p. 192 ; *striatus* **subsp. n.** *thianchanicus* Thian Shan p. 194, *issykensis* p. 195, *harpaloides* Issyk Kul, *sericus* Kashgar p. 196 ; *hauseri* **sp.n.** Bokhara p. 197 ; *stschurowskii* **subsp. n.** *hissariensis* Mt. Hissar p. 198 ; *cancellatus* **subsp. n.** *eques* France, *c. geta* **n. n.** for *sczobroniensis* Géhin (nec *soproniensis* Dejean) ; *monilis* **subsp. n.** *subpyrenaeus* Pyrenees p. 199 ; *morbillosus* **subsp. n.** *sculptus* Morocco p. 201, LAPOUGE Misc. ent. **28** 1924 & **29** 1925 sep. pp.—*C. clathratus* **var. n.** *antonellii* Italy p. 105, LUIGIONI Atti pont. Accad. Lincei **74** 1921.—*C. granulatus* biology p. 304, early stages and morphology p. 321 figs., OERTEL Zool. Jahrb. Abt. Syst. **48** 1924.—*C. obsoletus* & *glabratus* hybrid p. 92, ROUBAL Časopis **21** 1924.

Chlaenius key p. 12, *nitidulus* **ab. n.** *jeani* Spain pp. 14, 20, PUEL Misc. ent. **23**.—*C. festivus* **ab. n.** *pseudocaspicus* Styria p. 121, GRIDELLI Boll. Soc. ent. ital. **57**.

Clivina californica **sp. n.** California, p. 124, VAN DYKE Pan-Pacific Ent. **1**.

Cychrus rostratus **var. n.** *depressus* Rumania p. 334, EIDAM D. ent. Zs. 1925.

Cymindis axillaris **subsp. n.** *feigli* Dalmatia p. 134, HOFFMANN Ent. Anz. **5**.

Demetrias key to French spp., *imperialis* **abb. n.** *conjunctus, lavagnei* France p. 19, PUEL Misc. ent. **27** 1923.

Dichirotrichus key to Palaearctic spp. p. 20, *obsoletus* **var. n.** *chobauti* France p. 21, PUEL t.c.

Dromius keys to French subgenn. pp. 75, 77, 89, 91 **24** 1919, p. 17 **27** 1924, PUEL Misc. ent.—*D. meridionalis* **abb. n.** *discus, pseudomarginellus ; 4-maculatus* **abb. n.** *obscurithorax, antonei* France p. 90, PUEL op. cit. **24**. —*D. chobauti* **sp. n.** Algeria p. 30, PUEL op. cit. **27** 1923.—*D.* spp. in the collection of Motchulsky pp. 235–250, ZAITZEV Rev. russe Ent. **18** 1924.

Dyschirius criddlei Manitoba p. 309, *desertus* California p. 310, **spp. n.**, FALL Can. Ent. **57**.—*D.*, biology and distribution pp. 114–118, KROGERUS Not. ent. **5**. —*D. chalceus* **var. n.** *provincialis* France p. 59 ; *rufoaeneus* **var. n.** *antoinei* Morocco p. 60, PUEL Misc. ent. **28**.

Elaphrus uliginosus morphology and varieties pp. 17–20, **ab. n.** *viridicupreus* France p. 18, LOUVET Misc. ent. **29**.—*E. parviceps* **sp. n.** Alaska p. 112, VAN DYKE Pan-Pacific Ent. **1**.

Eurynebria complanata **varr. n.** *multijuncta* Algeria, *obliterata* France p. 13, PIC Échange [40] **41**.

Graniger aethiopicus **sp. n.** E. Africa p. 129, ALLUAUD Ann. Mus. Gen. **51** 1923.

Graphopterus patrizii, gestroi p. 131, *jubae* p. 132, **spp. n.** E. Africa fig., ALLUAUD Ann. Mus. Gen. **51** 1923.

Harpalus key p. 40, *rotundicollis* **subsp. n.** *silicicola* p. 34 (*Typsiharpalus*) *azruensis* **sp. n.** p. 37 Morocco, ANTOINE Bull. Soc. Sci. nat. Maroc **5**.—*H. neglectus* **ab. n.** *galiberti* France, Spain p. 54, PUEL Misc. ent. **28**.

Laemostenus angustatus **var. n.** *ochsi* Alpes Maritimes p. 63, PUEL Misc. ent. **28**.

Leistus notes, keys, distribution pp. 329–341, *yunnanus* **sp. n.** Yunnan p. 335, BÄNNINGER Ent. Mitt. **14**.—*L. nivium* **sp. n.** Kashmir p. 312, ANDREWES Ann. Mag. Nat. Hist. (9) **15**.—*L. austriacus* **sp. n.** Austria p. 19, SCHAUBERGER Ent. Anz. **5**.

Licinus pecoudi Asturia, *italicus* Abruzzia, **spp. n.** p. 57, PUEL Misc. ent. **28**.

Limnastis levatus **sp. n.** Bengal p. 497, ANDREWES Ann. Mus. Gen. **51** 1925.

Lionychus maritimus **ab. n.** *atratus* Pyrenees p. 30, PUEL Misc. ent. **27** 1923.

Loricera pilicornis **subsp. n.** *sierrae* California p. 113, VAN DYKE Pan-Pacific Ent. **1**.

Metabletus bedeli **sp. n.** (with **ab. n.** *obscuripennis* p. 29) Algeria p. 28, PUEL Misc. ent. **27** 1923.

Metaxys biguttatus Chaud. (=*irisans* Ancey) p. 175, ALLUAUD Bull. Soc. ent. Fr. **1925**.

Metrius contractus **subsp. n.** *planatus* California p. 122, VAN DYKE Pan-Pacific Ent. **1**.

Molops (**subgen. n.** *Zariquieya*) p. 3, type *troglodytes* **sp. n.** Catalonia p. 7 figs., JEANNEL Publ. Junta Cièn. nat. **4** no. 8 1924.

Morio bithynicus **sp. n.** Asia Minor p. 26, SCHAUBERGER Ent. Anz. **5**.

Nebria rubicunda **subsp. n.** *maroccana* Morocco p. 19, ANTOINE Bull. Soc. Sci. nat. Maroc **5**.—*N. elegans* p. 306, *pindarica* p. 307, *cameroni* p. 309, *aborana* p. 310, *cinctella* p. 311 **spp. n.**, *xanthacra* **var. n.** *nigricollis* p. 312 India, ANDREWES Ann. Mag. N. H. (9) **15**.—*N.* (*Nebriola*) *cordicollis* **subsp. n.** *tenuissima* Switzerland p. 4, BÄNNINGER Schweiz. ent. Anz. **4**.—*N.*, notes, keys, distribution pp. 187–195, 256–281, BÄNNINGER Ent. Mitt. **14**.—*N. ferruginipes*, note p. 59, PIC Misc. ent. **28**.—*N. riversi* p. 115, *schwarzi* p. 116, *piperi* p. 117, *meanyi* p. 118, *spatulata* p. 119, *lyelli* p. 120, *crassicornis* p. 121, **spp. n.** North America, VAN DYKE Pan-Pacific Ent. **1**.

Neotrechus hilfi **subsp. n.** *convexipennis* Herzegovina p. 141, WINKLER Koleopt. Rundsch. **11**.

Notiophilus key p. 3, *substriatus* **ab. n.** *pueli*, *biguttatus* **ab. n.** *pseudolateralis*, France p. 6, LOUVET Misc. ent. **29**.

Ophonus berberus **sp. n.** Morocco p. 24, ANTOINE Bull. Soc. Sci. nat. Maroc **5**.

Orophicus **gen. n.** *antelmei* **sp. n.** Mauritius p. 160 fig., ALLUAUD Bull. Soc. ent. Fr. **1925**.

Patroboidea **gen. n.** p. 67, *rufa* **sp. n.** Washington p. 69, VAN DYKE Pan-Pacific Ent. **2**.

†*Patrobus* (?) *kudiensis* **sp. n.** Siberia p. 5 fig., COCKERELL Proc. U.S. Nat. Mus. **68** art. **5**.—*P. atrorufus*, *assimilis*, characters p. 38, MUNSTER Norsk Ent. Tidsskr. **2**.

Perigona nigriceps distribution in France pp. 249–250, CLERMONT Bull. Soc. ent. Fr. **1925**.—*P. africana*, *panganica* p. 171, *katonae* Africa, *astrolabica* New Guinea, *malayensis* Malacca p. 172, *papuana*, *biróí*, *erimae* p. 173, *lebioides*, *ludovici* p. 174 New Guinea **spp. n.**, CSIKI Ann. Mus. Hung. **21** 1924.

Pheggomisetes globiceps **sp. n.** Bulgaria p. 117 fig., key p. 119, BURESCH Bull. Soc. ent. Fr. **1925**.—See *Trechus*.

Poecilus revision of Central European of group *koyi-marginalis* pp. 55–56, JEDLIČKA Časopis **21** 1924.

Polyhirma ellenbergeri **sp. n.** Bechuanaland p. 70 fig., BÉNARD Bull. Mus. Hist. nat. Paris **1925**.

Pseudomorpha key p. 14, *falli*, *hubbardi* p. 15, *tenebroides* p. 16, *alutacea*, *vicina* p. 17, *vandykei*, *consanguinea* p. 18, *vindicata*, *arrowi* p. 19 N. America, *confusa* Australia, *champlaini* p. 20, *schwarzi* p. 21 Arizona, **spp. n.**, NOTMAN Proc. U.S. Nat. Mus. **67** art. 14.

Pterostichus mosorensis **sp. n.** Dalmatia p. 56, JEDLIČKA Časopis **21** 1924.—*P. cristatus* notes pp. 32–40, *devillei* **sp. n.** Alpes Maritimes p. 40 **27** 1923; (*Arachnoideus*) *cristatus* **var. n.** *pecoudi* Italian Tyrol p. 61 **28**, PUEL Misc. ent.—*P. brunneus* notes p. 69, *nigrocaeruleus* p. 70, *beyeri* p. 71, *falli* p. 73, *termitiformis* p. 74, *lanei* p. 76, **spp. n.** U.S.A., VAN DYKE Pan-Pacific Ent. **2**.

Rambousekiella **gen. n.** p. 85, *ledenikensis* **sp. n.** Bulgaria p. 86 fig., KNIRSCH Časopis **21** 1924.

Schizogenius pygmaeus **sp. n.** California p. 125, VAN DYKE Pan-Pacific Ent. **1**.

Scotodipnus (*Microtyphlus*) *hercegovinensis* **sp. n.** Herzegovina p. 139 fig., WINKLER Koleopt. Rundsch. **11**.

Siagona europaea **var. n.** *minor* E. Africa p. 128, ALLUAUD Ann. Mus. Gen. **51** 1923.

Silphomorpha key p. 23, NOTMAN Proc. U.S. Nat. Mus. **67** art. 14.

Sphallomorpha key p. 25, NOTMAN t.c.

Stenolophus discophorus **ab. n.** *trinotatus* France and Caucasia; *mixtus* **abb. n.** *notatifrons* p. 30, *suzannae*; *proximus* **abb. n.** *castaneus*, *juliettae* p. 31 France, PUEL Misc. ent. **27** 1923.

Systolocranius depressus **sp. n.** E. Africa p. 129, ALLUAUD Ann. Mus. Gen. **51** 1923.

Tachys, revision of Oriental with keys to groups pp. 327–502; *recurvicollis* **n. n.** for *reflexicollis* Bates p. 338; *luxus* Burma p. 339, *dentatus* Malay States, Indo-China, Dutch E. Indies p. 343, *serratus* Celebes p. 344, *orphninus* Timor p. 345 **spp. n.**; *zonatus* **n. n.** for *ephippiatus* Putz. (nec Say) p. 347; *triangularis* **var. n.** *incertus*; *opalescens* Ceylon p. 352, *vilis* Kashmir p. 354, *lissonotus* Java p. 356, *delicatus* p. 358, *cameroni* p. 359 Singapore, *sundaicus* Java p. 362, *cardoni* India p. 364, *bathyglyptus* Borneo p. 367 **spp. n.**; *plagiatus* Putz. (**varr. n.** *sexmaculatus* Indo-China, *longulus* Philippines p. 371); *quadrillum* **varr. n.** *impictus* p. 373 Philippines, *languidus* p. 374 Formosa; *ochrias* p. 376, *brachys* (with **var. n.** *decolor* China, Formosa, Singapore) p. 377 India, *brunneus* Borneo p. 379, *mus* Java p. 380, *ambiguus* p. 382, *gestroi* p. 384 Mentawei Is., *bombycinus* India p. 385, *reticulatus* p. 388, *loriae* p. 389 New Guinea, *luteus* Singapore, *rhombophorus* (with **var. n.** *evanidus*) India p. 390 **spp. n.**; *exaratus* **var. n.** *curtus* Japan; *singularis* Celebes p. 393, *dulcis* p. 395, *castaneus* p. 396 India **spp. n.**; *aratus* **n. n.** for *sulcatus* Motch. (nec Putz.) p. 408 (with **varr. n.** *virgatus* India, *vigens* Indo-China p. 410); *belli* India p. 411, *nitens* New Guinea p. 412, *imperfectus* Philippines p. 413, *chalceus* India p. 415, *borneensis* Borneo, New Guinea p. 418, *crotyloides* p. 419, *fusiformis* p. 420, *papuae* p. 421 New Guinea, *barringtoni* Philippines p. 423 **spp. n.**; *decoratus* **n. n.** for *ornatus* Nietn. (nec Apetz) p. 424; *florus* Singapore p. 426, *spurcus* Borneo p. 427, *pulcher* (with **var. n.** *celebenis* Celebes) Philippines, *psilus* New Guinea p. 429, *triloris* Timor p. 431, *laotinus* Indo-China p. 432, **spp. n.**; *ceylanicus* **var. n.** *polyporus* India p. 437; *pictus* New Guinea p. 439, *nalandae* Ceylon p. 441, *mediocris* New Guinea p. 442, *malabaricus*, *pallidicornis* p. 443, *tagax* p. 444, *stevensi* p. 445, *nilgiricus* (with **var. n.** *unisculptus* India, Ceylon) p. 446, *nannodes* p. 447 India **spp. n.**; *politus* **varr. n.** *aspilotus* no locality, *constrictus* Indo-China; *compactus* Tonkin p. 449, *gongylus* China p. 450, *charactus* India p. 451, *vixmaculatus* Indo-China p. 452, *championi* India p. 453, *charis* (with **var. n.** *rubescens*) India, Ceylon p. 454, *striatifrons* Singapore, p. 456, *javanicus* Java p. 458, *tostus* China p. 459 **spp. n.**; *comptus* **varr. n.** *borealis* India, Formosa, *pluripunctus* India p. 462; *ovatus* **var. n.** *obliteratus* Celebes; *elegans* India p. 465, *porosus* Borneo p. 472, *punctus* (with **var. n.** *variabilis*) Philippines p. 473, *striatulus* Indo-China p. 474, *buxans* India p. 476, **spp. n.**; *haliploides* **varr. n.** *nigrinus* p. 479, *asthenes*, *diversus* p. 480 India; *nanophyes* Formosa, *glis* Celebes p. 481, *saundersi* p. 482 Penang, Singapore, *opacus* (with **var. n.** *bicolor*) India p. 483, *malayicus* Penang, Singapore p. 487, *monostigma* Singapore p. 489, *wallacei* New Guinea p. 490 **spp. n.** figs., ANDREWES Ann. Mus. Gen. **51** 1925.—*T. beebei* **sp. n.** Galapagos Is. p. 223 fig., MUTCHLER Zoologica **5**.

Trachelocyphus tschitscherini **sp. n.** Ivory Coast p. 49, LUTSHNIK Acta Inst. Agron. Stauropolitani **1** 1922.

Trachypachus slevini **sp. n.** Oregon p. 111, VAN DYKE Pan-Pacific Ent. **1**.

Trechus bonvouloiri **subsp. n.** *sylvaticus* Pyrenees p. 37, GAUDIN Bull. Soc. ent. Fr. **1925**.—*T. ravasinii* **sp. n.** Albania p. 24, JEANNEL Boll. Soc. ent. ital. **57**.—*T.* (*Pheggomisetes*) *bureši* **subsp. n.** *medenikensis* p. 62, (*P.*) *radevi* **subsp. n.** *ilčevi* Bulgaria; (*Duvalius*) *bielzi* **subspp. n.** *rybińskii* Galicia p. 63, *calimanensis* Transsylvania p. 65; (*Duvalites*) *živkovi* Bulgaria p. 87, (*Duvalius*) *pauperculus* Carpathians p. 89, **spp. n.**, key p. 90 figs., KNIRSCH Časopis **21** 1924–25.—*T.* (**subgen. n.** *Arctaphaenops*) *angulipennis* **sp. n.** Austria p. 130 fig., MEIXNER Koleopt. Rundsch. **11**.—*T.* (*Neotrechus*) *amabilis* **subsp. n.** *svircevi* Jugoslavia p. 45, MÜLLER Wiener ent. Ztg. **42**.—*T. ruficollis* **sp. n.** Massachusetts p. 66, VAN DYKE Pan-Pacific Ent. **2**.—See *Pheggomisetes*.

Triaenogenius sculpturatus Gerst. (=*Anthia helluonoides* Ancey) p. 176, ALLUAUD Bull. Soc. ent. Fr. **1925.**—*T. sculpturatus* **subsp. n.** *patrizii* E. Africa p. 130, ALLUAUD Ann. Mus. Gen. **51** 1923.

Zacotus subopacus **sp. n.** Br. Columbia p. 206, HOPPING Can. Ent. **57.**

Zariquieya **subgen. n.** see *Molops.*

PAUSSIDAE.

Paussidae of the Belgian Congo, REICHENSPERGER Rev. zool. afr. **13** pp. 22–24 fig.

General systematics, distribution and bionomics of Paussidae, RIBEIRO J. Asiat. Soc. Bengal N.S. **20** pp. 383–390.

Arthropterus brunni p. 25, *ambitiosus* p. 26, *eruditulus* p. 27, *negligens* p. 28, *petax* p. 29, *geminus* p. 31, *secedens* p. 33, *avunculus* p. 28, *ominosus* p. 29, *insidiosus* p. 30, *fraternus*, *schismaticus* p. 31 **spp. n.** Australia, KOLBE Arch. Natg. **90** A7.

Cerapterus horni **sp. n.** Togo p. 344 fig., REICHENSPERGER Ent. Mitt. **14.**

Hylotorus uelensis **sp. n.** Belgian Congo p. 42 fig., REICHENSPERGER Rev. zool. afr. **13.**

Paussus patrizii p. 31, *saverii* p. 33, *magrettii* p. 35, **spp. n.** E. Africa, GESTRO Ann. Mus. Gen. **51** 1923.—*P. cilipes* **subsp. n.** *punctatissimus* Sierra Leone p. 345; *kolbei* Philippines p. 346, *distinguendus* Angola p. 348, *gazella* Madagascar p. 349, **spp. n.** fig., REICHENSPERGER Ent. Mitt. **14.**—*P. burgeoni* p. 30, *avunculus* p. 31, *manni* p. 32 **spp. n.**; *benningseni* **subsp. n.** *dammeri* p. 35; *tenuis* p. 37, *lacrimans* p. 39, *phyllocerus* p. 40 **spp. n.**, Belgian Congo fig., REICHENSPERGER Rev. zool. afr. **13.**

Pentaplatarthrus schoutedeni **sp. n.** Belgian Congo p. 27 fig., REICHENSPERGER Rev. zool. afr. **13.**

Pleuropterus ferranti **sp. n.** Belgian Congo p. 25 fig., REICHENSPERGER t.c.

CUPEDIDAE.

Cupes concolor male genitalia p. 167 figs., MUIR J. New York Ent. Soc. **32** 1924.

HYGROBIIDAE.

List of larvae of Hygrobiids pp. 16–17, notes on some French spp. pp. 17–23, BERTRAND Encyc. ent. Ser. B. II. Col. **1.**

AMPHIZOIDAE.

Amphizoa insolens Lec. (=*sahlbergi* Mannh.) p. 242, JACOBSON Rev. russe Ent. **18** 1924.

HALIPLIDAE.

List of larvae of Haliplidae pp. 14–16, notes on some French spp. pp. 17–23, BERTRAND Encyc. ent. Ser. B. II. Col. **1.**

Notes on early stages of Haliplidae in Europe, ROUSSEAU Ann. Biol. lac. **9** 1920 pp. 269–278.

DYTISCIDAE.

List of larvae of Dytiscidae pp. 1–14, notes on some French spp. pp. 17–23, BERTRAND Encyc. ent. Ser. B. II., Col. **1.**

Distribution of S. American Dytiscidae, ZIMMERMANN Boll. Mus. Zool. Torino **39** N.S. no. 29 4 pp.

Acilius guerryi **sp. n.** S. China p. 90, D'OLSOUFIEFF Bull. Soc. ent. Fr. **1925.**

Bidessus trilineatus **sp. n.** Brazil p. 255, ZIMMERMANN Ent. Mitt. **14.**

Dytiscus respiration p. 651, DU BUISSON Bull. Classe Sci. Acad. R. Belgique (5) **10.**

Hydroporus falli, *uniformis* **spp. n.** Florida p. 162, BLATCHLEY Can. Ent. **57.**

Laccophilus rotroui **sp. n.** Algeria p. 21, PIC Échange **39** 1924.—*L. grammopterus* **sp. n.** Brazil p. 254, ZIMMERMANN Ent. Mitt. **14.**

Siettitia avenionensis **sp. n.** France p. 23, GUIGNOT Bull. Soc. ent. Fr. **1925.**

Suphisellus melzeri **sp. n.** Brazil p. 254, ZIMMERMANN Ent. Mitt. **14.**

Yola alluaudi **sp. n.** N. Africa p. 299, key p. 300, PESCHET Bull. Soc. ent. Fr. **1925.**

GYRINIDAE.

Notes on Gyrinidae, BOURGUILLAUT Trav. sci. Univ. Rennes **17** 1924 pp. 1–8 5 figs.

Bionomics and key to larvae of Gyrinidae, HATCH Bull. Brooklyn Ent. Soc. **20** pp. 101–114.

Annotated list of Gyrinidae from Buru I. (Moluccas), PESCHET Treubia **7** pp. 5–7.

Distribution of S. American Gyrinidae, ZIMMERMAN Boll. Mus. Zool. Torino **39** N.S. no. 29 4 pp.

Aulonogyrus vitalisi **sp. n.** Indo-China p. 123, PESCHET Faune ent. Indochine fasc. **6** 1923.

Dineutus helleri Papua p. 172, *neobritannicus* New Britain p. 173, **spp. n.**, OCHS Senckenbergiana **7.**—*D. truncatus* **subsp. n.** *mexicanus* Mexico p. 13, OCHS Ent. Zs. **39.**—*D.*, key, *chalybaeus* p. 3, *obscurus* p. 1, *heurni*, *sinuaticollis* p. 2 **spp. n.** New Guinea, ZIMMERMANN Nova Guinea **15** 1924.

Gyrinus, notes on Norwegian spp. pp. 30–38, *striolatus* doubtful position p. 38, MUNSTER Norsk ent. Tidsskr. **2.**—*G. rhodesianus* **sp. n.** Rhodesia p. 172, OCHS Ent. Bl. **21.**

Macrogyrus finschi **sp. n.** Torres Strait p. 174, *blanchardi* **subsp. n.** *quadrisulcatus* Papua p. 176, OCHS Senckenbergiana **7.**

Orectochilus polli ♂ Régim. 1884 (= *gymnonotus* ♀ 1891) p. 5, BOURGUILLAUT Trav. sci. Univ. Rennes **17** 1924.—*O. nitens* p. 131, *vitalisi* p. 132, *fallax* p. 134, *argenteolimbatus* p. 135, **spp. n.** Indo-China, PESCHET Faune ent. Indochine fasc. **6** 1923.—*O. fruhstorferi* **subsp. n.** *intermedius* p. 193, *desgodinsi* **subsp. n.** *assamensis*; *coimbatorensis* p. 194, *cameroni* p. 195, *parkeri*, *cavernicola* p. 196, *choprae* India, *melli* China, *kempi* p. 198, *neglectus*, *gravelyi* p. 199 **spp. n.**; *scalaris* **subspp. n.** *andamanarum* Andaman Is., *parvulus* Burma p. 200; *fleicheri* p. 201 (with **subspp.n.** *angustilimbus* India, *parvilimbus* China p. 202), *coronatus*, *annandalei* **spp. n.** India, OCHS Rec. Ind. Mus. **27.**—*O. coomani* **sp. n.** Tonkin p. 253, key p. 254, PESCHET Bull. Soc. ent. Fr. **1925.**

Orectogyrus mirabilis **var. n.** *cuneinotus* E. Africa p. 175; *orectochilinus* p. 176, *zimmermanni* p. 177 **spp. n.**; *dimidiatus* **subsp. n.** *colini* p. 178; *mixtus* p. 179, *proximus* p. 180 Kamerun, *robustus* p. 182 Madagascar ?, *schubotzi* p. 184 Fr. Congo **spp. n.**, OCHS Ent. Bl. **21.**

STAPHYLINIDAE.

Notes on "Catalogus Coleopterorum regionis palaearcticae, subfamily Steninae," BENICK Koleopt. Rdsch. **11** pp. 71–76.

Staphylinidae new to Britain, CAMERON Ent. Mo. Mag., London **61** pp. 154–156.

Catalogue of Indian Insects, Part 6, Staphylinidae, CAMERON Govt. India Central Publ. Branch Calcutta 1925 126 pp.

Larvae of the Proteinini and Diglossini, morphology and biology, KEMNER Ent. Tidskr. **46** pp. 61–77 2 figs. 2 pls.

Synopsis of New World Osoriini, NOTMAN Proc. U.S. Nat. Mus. **67** art. 11 26 pp.

Staphylinid beetles of the seaside, Japan, YOKOYAMA Insect World **26** 1922 pp. 328–331, 361–365.

Acamatoxenus **gen. n.** *suavis* **sp. n.** San Diego p. 76, MANN J. Wash. Acad. Sci. **15.**

Aleochara nigra **var. n.** *niasiana* Nias p. 13, CAMERON Boll. Soc. ent. ital. **57.**—*A. papuana* **sp. n.** New Guinea p. 87, CAMERON Nova Guinea **15** 1924.—*A. crassicornis* new to Britain p. 166, DONISTHORPE Ent. Rec., London **37.**

Amarochara (**subgen. n.** *Amarocharella*) *rambouseki* **sp. n.** Brazil p. 182, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Amarocharella **subgen. n.** see *Amarochara.*

Amaurodera nigra **sp. n.** Java p. 191, CAMERON Treubia **6.**

Amphichroum anthobioides **sp. n.** Kumaon p. 104, CHAMPION Ent. Mo. Mag. **61.**

Apheloglossa calida **sp. n.** Peru p. 142, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Arthropycna **subgen. n.** see *Atheta.*

Astenus sumatrensis **sp. n.** Sumatra p. 181, CAMERON Treubia **6.**

Astilbus niger **sp. n.** Java p. 194, CAMERON Treubia **6.**—*A. bolivianus*, *mapiriensis* p. 165, *spinipennis* p. 166, *cordobensis* p. 167, *strandi* p. 181, **spp. n.** S. America, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Atheta platensis, *pretiosa* p. 150, *columbina* p. 151, *bicallosa*, *fassli* p. 152, *liniana* p. 153, *tuberculicauda*, *tuberidentata* p. 154, *fraterna*, *unituberculata* p. 155, *disjuncta*, *cupreonigra* p. 156, *semicuprea*, *antoniensis* p. 157, *tristi-*

collis, *semiaenea* p. 158, *perversa*, *sancta* p. 159, *insignicornis*, *sipaliformis* p. 160, *republicana*, *argentinica* p. 161, *acromyrmicis* (**subgen. n.** *Arthropycna*) p. 162, *myrmecovagans*, *bacilliformis* p. 163 S. America, (**subgen. n.** *Pseudobessobia weiseri* p. 177, *jujuyensis*, *nidicola* p. 178, *thaxteri* (**subgen. n.** *Micratheta*) *cordillerana* p. 179 Argentina **spp. n.**, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*A. suecica* **sp. n.** Sweden p. 53, BERNHAUER Ent. Tidskr. **46**.—*A. pangrangoensis* **sp. n.** Java p. 192, CAMERON Treubia **6**.—*A. subdebilis* **sp. n.** England p. 219 figs., JOY Ent. Mo. Mag. **61**.—*A.*, key to Finnish and Scandinavian spp. pp. 5–30, MUNSTER Norsk ent. Tidsskr. **2**.—*A. maroccana* **sp. n.** Rabat p. 2 fig., PEYERIMHOFF Ann. Soc. ent. Fr. **94**.

Aulacocypus **subgen. n.** see *Staphylinus*.

Aulacotrachelus **n. n.** for *Megalops* Er. p. 1, *pirimaculatus* **sp. n.** Brazil p. 2, BENICK Öfv. Finsk. Vet. Soc. Förh. **62** 1920.

Austromalota **gen. n.** (near *Silusa*) p. 170, *rufimixta* **sp. n.** S. Georgia Is. p. 171 fig., BRÈTHES Com. Mus. H. n. Buenos Ayres **2**.

Belonuchus ferrugatus **var. n.** *ruficeps* Java p. 187, CAMERON Treubia **6**.

Bledius minutissimus p. 171, *curtipennis* p. 172, **spp. n.** Argentina, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921. —*B.*, biology and distribution pp. 114–118, *opacus* **var. n.** *minor* Finland p. 117, KROGERUS Not. ent. **5**.—*B. aequatorialis* **sp. n.** Galapagos Is. p. 225 fig., MUTCHLER Zoologica **5**.

Bolitobius striatus **var. n.** *martialis* Les Guerreaux p. 25, PIC Échange **39** 1924.

Brachida argentina **sp. n.** Argentina p. 175, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Calodera (**subgen. n.** *Caloderella*) *nigerrima* **sp. n.** Argentina p. 182, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Caloderella **subgen. n.** see *Calodera*.

Cardiola see *Cordalia*.

Coenonica modiglianii p. 2, *lucida* p. 3, **spp. n.** Sunda Is., CAMERON Ann. Mus. Gen. **52**.

Conosoma ruficeps **sp. n.** Java p. 187, CAMERON Treubia **6**.

Coprophilus burphuensis **sp. n.** Kumaon p. 106, CHAMPION Ent. Mo. Mag. **61**.

Cordalia **n. n.** for *Cardiola* Muls. & Rey (nec Broderip) p. 82, JACOBS Ent. Zs. **38** 1924.

Cryptobium nigrum **sp. n.** Verlaten Is. p. 184, CAMERON Treubia **6**.—*C. cylindroderum* **sp. n.** Kumaon p. 107, CHAMPION Ent. Mo. Mag. **61**.—*C.*, key, *laticeps* p. 71, *havlasai* p. 72, *mrazi* p. 73, *humerale* p. 74, *propinquulum* p. 75, **spp. n.** S. Paulo figs., RAMBOUSEK Časopis **21**.

Ditropalia strigosa Sumatra p. 6, *granulata* Sunda Is. p. 7, *nigra* Sumatra p. 8, **spp. n.**, CAMERON Ann. Mus. Gen. **52**.

Dolicaon festae **sp. n.** Cyrenaica p. 23, GRIDELLI in DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.

Domene, notes on and key to Central European and Mediterranean pp. 77–130, *dalmatina* pp. 88, 103, *moczarskii*, pp. 89, 107, *winkleri*, pp. 89, 112, **spp. n.** Dalmatia, phylogeny and distribution p. 121, figs., SCHEERPELTZ Koleopt. Rundsch. **11**.

Dysanellus transverserugosus **sp. n.**, Brazil p. 175, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Echiaster curtipennis **sp. n.** ; *rambouseki* **var. n.** *basiventris* p. 33 ; (**subgen. n.** *Polyasterellus*) *bruchi* **sp. n.** p. 34 Argentina, BERNHAUER Wiener ent. Ztg. **42**.

Ecitomedon **gen. n.** (near *Medon*) *bruchi* **sp. n.** Argentina p. 36, BERNHAUER t.c.

Ecitophya gracillima **sp. n.** Bolivia p. 74, MANN J. Wash. Acad. Sci. **15**.

Ecitopora brevicornis **sp. n.** Bolivia p. 73, MANN t.c.

Eleusis magniceps Soekaboeni p. 230, *quadriceps* Perak, *ferruginea*, *nigrescens* p. 231 Selangor, **spp. n.**, CAMERON Ent. Mo. Mag. **61**.

Eupiestus rufobrunneus **sp. n.** Dutch E. Indies p. 174, CAMERON Treubia **6**.

Eusteniamorpha ferruginea **sp. n.** Java p. 189, CAMERON Treubia **6**.

Falagria (s. str.) *orientalis* p. 8, (*Anaulacaspis*) *sumatrensis* p. 9, (*A.*) *nigriceps* p. 10, **spp. n.** Sumatra, CAMERON Ann. Mus. Gen. **52**..

Gansia antennaria **sp. n.** Bolivia p. 143, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Geodromicus brevitarsis **sp. n.** Kumaon p. 104, CHAMPION Ent. Mo. Mag. **61.**

Gyrophaena opaciventris p. 141, *spicula* p. 142, **spp. n.** S. America, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*G. granifera* **sp. n.** Philippines p. 5, CAMERON Ann. Mus. Gen. **52.**—*G. sparsuta, karnyi* p. 188, *clavicornis* p. 189, **spp. n.** Sumatra, CAMERON Treubia **6.**

Hesperotropis **subgen. n.** see *Hesperus.*

Hesperus, morphology and classification pp. 170–201, key to Palaearctic and Oriental spp. p. 182, *laevigatus* **var. n.** *sarawakensis* Borneo p. 185 ; *nigriventris* Nias Is. (Sumatra) p. 186, *aeneus* p. 191, *terminicornis* p. 192 Sumatra, *picticollis* Mentawei Is. p. 194 (**subgen. n.** *Hesperotropis*) *perfoliatus* Sumatra p. 196, **spp. n.** fig., GRIDELLI Ann. Mus. Gen. **51** 1924.—*H. ferrugineus* **sp. n.** Argentina p. 36, BERNHAUER Wiener ent. Ztg. **42.**

Holosus distinguendus Tonkin, *tachyporoides* Selangor p. 233, *transversus* Dehra Dun, *bryanti* p. 234, Borneo, *longipennis* Nilgiris, *quadricollis* p. 235 Selangor, **spp. n.**, CAMERON Ent. Mo. Mag. **61.**

Holotrochus acromyrmicis **sp. n.** Argentina p. 172, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Homalota richteri p. 176, *republicana* p. 177, **spp. n.** Argentina, BERNHAUER t.c.—*H. obscura* **sp. n.** Sumatra p. 3, CAMERON Ann. Mus. Gen. **52.**

Homoeusa obscura **sp. n.** Croatia p. 332, STILLER D. ent. Zs. Berlin **1925.**

Hoplandria phaenomenalis p. 144, *ebenina* p. 145, *spinosa, columbica* p. 146, *fassli* p. 147, *punctigera, variolosa* p. 148, *convexa* p. 149, **spp. n.** S. America, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Hygrogeus cyanipennis **var. n.** *atrocaeruleus* ; *kumaonensis* **sp. n.** p. 105, **var. n.** *brevisulcus* p. 106 Kumaon, CHAMPION Ent. Mo. Mag. **61.**

Irmaria **gen. n.** (near *Myrmedonia*) p. 15, *nigra* **sp. n.** Sumatra p. 16, CAMERON Ann. Mus. Gen. **52.**

Jacobsonella termitobia, biology p. 122, KEMNER Ent. Tidskr. **46.**

Lathrimaeum cavicrus p. 102, *rugosum* p. 103, **spp. n.** Almora, CHAMPION Ent. Mo. Mag. **61.**

Leptonia hospes **sp. n.** Panama Canal Zone p. 167, MANN Psyche **32.**

Leptusa weiseri **sp. n.** Argentina p. 38, BERNHAUER Wiener ent. Ztg. **42.**

Lispinus bruchi **sp. n.** Argentina p. 170, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*L. sulcatulus* New Guinea, *rufus* Penang p. 237, *rubidus, nitens, secretus* p. 238, *malayanus* Selangor, *punctipennis* Borneo, *intermedius* Java p. 239, *aeneiceps, similis* p. 240, *robusticornis, puncticeps* Malay Pen. p. 241, *sarawakensis* Borneo, *armifrons* p. 242, *selangorensis, bryanti* p. 243 Malay Pen., **spp. n.**, CAMERON Ent. Mo. Mag. **61.**

Lithocharis carinatus **sp. n.** Engano, Mentawei, Sumatra p. 315, CAMERON Ann. Mus. Gen. **51** 1924.

Mannerheimia goriensis **sp. n.** Kumaon p. 104, CHAMPION Ent. Mo. Mag. **61.**

Medon aspericeps p. 312, *lithocharoides* p. 313, **spp. n.** Sumatra, CAMERON Ann. Mus. Gen. **51** 1924.—*M.* (*Hypomedon*) *renominatus* Java p. 182), (*Charichirus*) *siebersi* Kei Is., (*C.*) *dammermani* Krakatau p. 183, **spp. n.**, CAMERON Treubia **6.**

Megalops see *Aulacotrachelus.*

Megarthrus septempunctatus **sp. n.** Kumaon p. 102, CHAMPION Ent. Mo. Mag. **61.**

Meotica juniperella **sp. n.** Morocco p. 3, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**

Micratheta **subgen. n.** see *Atheta.*

Microsaurus **subgen. n.** see *Quedius.*

Mimoxypoda **gen. n.** (near *Oxypoda*) *rufa* **sp. n.** Sumatra p. 190, CAMERON Treubia **6.**

Monista bruchi **sp. n.** Argentina p. 172, BERNHAUER Arch. Natg. 86 A 8 (1920) 1921.

Mycetoporus, notes on N. European spp. pp. 33–47, *bergrothi* **n. n.** for *elegans* Mäkl. nec Matth. p. 45, HELLÉN Not. Ent. **5.**

Myrmecochara key p. 7, *borgmeieri* **sp. n.** Brazil p. 6 figs., WASMANN D. ent. Zs. **1925.**

Myrmedonia (*Ctenodonia*) *rugosissima* F.M.S. & Sumatra, (*Zyras*) *alternans* p. 12, (? *Pella*) *montana* p. 13, (s. str.) *modiglianii* p. 14, Sumatra, **spp. n.**, CAMERON Ann. Mus. Gen. **52.**

Neocallicerus **gen. n.** (near *Callicerus*) p. 192, *dammermani* **sp. n.** Java p. 193, CAMERON Treubia **6.**

Neotasgius **subgen. n.** see *Staphylinus.*

Ocypus weisei, *brevicornis* see *Staphylinus.*

Ocyusa opacula **sp. n.** Argentina p. 181, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*O. difformis* **sp. n.** Dalmatia p. 48, ROUBAL Wiener ent. Ztg. **42.**

Oedichirus excellens **sp. n.** Krakatau p. 180, CAMERON Treubia **6.**

Oligota (*Holobus*) *karnyi* **sp. n.** Sumatra p. 188, CAMERON Treubia **6.**—*O. inflata* **var. n.** *major* Silesia p. 48, KOLBE Jahresh. schles. Ver. Insekt. **14** 1924.

Orphnebius laticeps **sp. n.** Sumatra p. 14, CAMERON Ann. Mus. Gen. **52.**

Oryssomma **gen. n.** *schwarzi* **sp. n.** Guatemala p. 4, NOTMAN Proc. U.S. Nat. Mus. **67** art. 11.

Osorius karnyi Java p. 176, *truncatus* Verlaten Is. p. 177, **spp n.**, CAMERON Treubia **6.**—*O.*, key to American p. 6, *hubbardi* Jamaica p. 11, *parviceps* Florida, *breviceps* Paraguay p. 12, *schwarzi* Cuba p. 13, *minor* Trinidad, *brevipennis* Arizona, Mexico & Guatemala p. 14, *laeviceps* Porto Rico, *carinicollis* Guatemala p. 15, *exiguus* Cuba p. 16, *variolatus* Arizona, *difficilis* Arizona p. 17, *crenulifrons* p. 18, *manni* p. 19 Cuba, *buscki* Santo Domingo p. 19, *confusus* p. 20, *morio* p. 21 Mexico, **spp. n.**, NOTMAN Proc. U.S. Nat. Mus. **67** art. 11.

Ouloglene **gen. n.** *barberi* **sp. n.** Guatemala p. 3, NOTMAN Proc. U.S. Nat. Mus. **67** art. 11.

Oxyota bruchi **sp. n.** Argentina p. 168, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Oxypoda columbica p. 168, *pulchricornis* p. 169 **spp. n.** Colombia, BERNHAUER t.c.

Oxytelopsis rufotestacea **sp. n.** Java p. 176, CAMERON Treubia **6.**

Paederus dammermani Java p. 180, *lombockianus* Lombok p. 181, **spp. n.**, CAMERON Treubia **6.**

Paralispinus pygmaeus **sp. n.** Selangor p. 232, CAMERON Ent. Mo. Mag. **61.**

Pelioptera, key to Javanese & Sumatran p. 197, *longicornis* Java p. 194, *heterocera* Sumatra, *quadrituberculata* p. 195, *inermis*, *dammermani*, *germana* p. 196, *similis* p. 197 Java, **spp. n.**, CAMERON Treubia **6.**—*P. longicornis* ♂ described p. 11, CAMERON Ann. Mus. Gen. **52.**

Phanolinus rambouseki **sp. n.** Costa Rica p. 37, BERNHAUER Wiener ent. Ztg. **42.**

Pheidoloxenides **gen. n.** p. 8, *dampfi* **sp. n.** p. 9 Mexico figs., WASMANN D. ent. Zs. **1925.**

Philonthus elegantissimus, *gracilentus* **spp. n.** Java p. 186, CAMERON Treubia **6.**—*P. tetragonocephalus* **sp. n.** Cranberry Lake, N.Y. p. 271, NOTMAN New York State Coll. Forestry Tech. Pubn. **17** 1924.—*P. hornaditanus* **sp. n.** Argentine p. 75, RAMBOUSEK Časopis **21.**

Phloeonomus impressicollis **sp. n.** Sumatra p. 312, CAMERON Ann. Mus. Gen. **51** 1924.—*P. apicalis* **sp. n.** Sumatra p. 175, CAMERON Treubia **6.**

Pinophilus senescens **sp. n.** Verlaten I. p. 179, CAMERON Treubia **6.**

Piochardia key p. 2, *donisthorpei* **sp. n.** Bengal p. 1 figs., WASMANN D. ent. Zs. **1925.**

Placusa bruchi p. 175, *argentina* p. 176, **spp. n.** Argentina, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*P. acrotonoides* Sumatra p. 4, *quadridens* Philippines p. 5, **spp. n.**, CAMERON Ann. Mus. Gen. **52.**

Plagiusa lucida **sp. n.** Sumatra p. 1, CAMERON t.c.

Polyasterellus **subgen. n.** see *Echiaster.*

Priochirus (*Catacamptus*) *karnyi* **sp. n.** Java p. 175, CAMERON Treubia **6.**—*P. quadricollis*, *bisinuatus* p. 81, (key to spp. of subgenus *Syncampsochirus* p. 82, *Plastus* p. 85), *heurni*, *aluticollis* p. 83, *sparsus*, *papuanus* p. 84, **spp. n.** New Guinea, CAMERON Nova Guinea **15** 1924.

Pseudobessobia **subgen. n.** see *Atheta.*

Quedius, key to spp. of **subgen. n.** *Microsaurus* p. 18 ; *crassus* **var. n.** *nigricans* Algeria p. 40; *picipennis* **var. n.** *sardous* Finland, Switzerland ; *fumatus* **var. n.** *flavomarginatus* Italy, Algeria ; *collaris* var. *italicus* **n. n.** for *niger* Gridelli p. 151 ; *boops* var. *reitteri* **n. n.** for *fallaciosus* Reitter p. 165, GRIDELLI Mem. Soc. ent. ital. **3.**

Rhopalopherus magnipennis **sp. n.** Argentina p. 33, BERNHAUER Wiener ent. Ztg. **42.**

Schizelythrinae **subfam. n.** p. 122, KEMNER Ent. Tidskr. 46.

Schizelythron **gen. n.** p. 110, *javanicum* **sp. n.** Java p. 119 fig., KEMNER t.c.

Scopaeus laticollis **sp. n.** Java p. 183, CAMERON Treubia **6.**

Sipalia rhilensis **sp. n.** Bulgaria p. 68 figs., RAMBOUSEK Časopis **21** 1924.

Staphylinus alfierii **sp. n.** Egypt p. 37, BERNHAUER Bull. Soc. R. ent. Egypte **1925.**—*S.* (*Goerius*) *festae* **sp. n.** Cyrenaica p. 25, MÜLLER in DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.—*S.*, *Xanthocypus* **subgen. n.** for *Ocypus weisei* Harold p. 40, *Aulacocypus* **subgen. n.** for *gloriosus* and *parvulus* Sharp p. 40, *Neotasgius* **subgen. n.** for *Ocypus brevicornis* Weise p. 41, (*Platydracus*) *hypocrita* p. 41 Asia Minor, (*Platydracus*) *demissus* E. Siberia, (*Goerius*) *coreanus* Corea p. 42, (*G.*) *bernhaueri* Turkestan p. 44, (*Pseudocypus*) *rambouseki* E. Siberia p. 46, (*Tasgius*) *amiculus* Turkestan **spp. n.**, (*Ocypus*) *bellicosus* **subsp. n.** *myops* Algeria p. 47, MÜLLER Bol. Soc. ent. ital. **57.**—*S. gentilis* **var. n.** *mrazi* S. Paulo p. 76, RAMBOUSEK Časopis **21.**

Stenus clavicornis Scop. (=*boreellus* Popp.) p. 137, *aquilonius* p. 139, *fluviatilis* p. 140, **spp. n.** Kamtchatka, *sibiricus* Sahlb. distinguished from *alpicola* Fauv. p. 142, *bergrothi* p. 145, *freyi* p. 146, **spp. n.** Siberia, *canaliculatus* Gyll. (=*cordaticollis* Leinberg) p. 148, *bulbicollis* **sp. n.** Kamtchatka p. 151, *hyperboreus* (=*lysholmi* Bernh.) **var. n.** *wuorentausi* Dudinka p. 153 fig., BENICK Medd. Soc. Faun. Fl. Fenn. **46** 1921.—*S.*, notes, *exasperatus* N. America p. 73, *miscellus* Trieste p. 77, *fistulosus* Madras p. 79, *torus* N. America p. 80, *festivus* Spain p. 81, *pyrenaeus* Centr. Pyrenees p. 83, **spp. n.** figs., BENICK Mitt. münchn. ent. Ges. **15.** — *S. elongatiformis* p. 3, *spissicollis* p. 5, **spp. n.** Brazil, BENICK Öfv. Finsk. Vet. Soc. Förh. **62** 1920.—*S. bucephalus* **sp. n.** Buru I. (Moluccas) p. 10 fig., BENICK Treubia **7.**—*S.* (*Mesostenus*) *bernhaueri* p. 177, *anepsius*, *malabarensis* p. 178, (*Hemistenus*) *pangrangoensis* p. 179 **spp. n.** Java, CAMERON Treubia **6.**—*S. viridans* **sp. n.** Almora p. 106, *viridanus* **n.n.** for *viridans* Champ. nec Baudi p. 169, CHAMPION Ent. Mo. Mag. **61.**

Stilicus key, *transversiceps* p. 173, *peruvianus*, *densipennis* p. 174, *montivagans* p. 175, **spp. n.** S. America, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*S. pruinosus* **sp. n.** Java p. 182, CAMERON Treubia **6.**

Styngetus nigriventris **sp. n.** Colombia p. 37, BERNHAUER Wiener ent. Ztg. **42.**

Suniocharis key *cephalotes* **sp. n.** S. Paulo p. 70 fig., RAMBOUSEK Časopis **21.**

Thamiaraea bruchi **sp. n.** Argentina p. 180, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*T.* (?) *terminalis* **sp. n.** Sumatra p. 191, CAMERON Treubia **6.**

Thiassophila wockei Schneider (= *praetexta* Heyden, *nitescens* Fauv.) p. 39, MUNSTER Norsk. Ent. Tidsskr. **2.**

Thinobius tingitanus **sp. n.** Tangier p. 1, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**

Thoracophorus argentinus **sp. n.** Argentina p. 170, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.

Thyreocephalus castaneipennis **sp. n.** New Guinea p. 185, CAMERON Treubia **6.**

Trogophloeus bonariensis, *magniceps* **spp. n.** Argentina p. 171, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*T. catamarcanus* **sp. n.** Argentina p. 33, BERNHAUER Wiener ent. Ztg. **42.**—*T. oxyteloides* **sp. n.** Java p. 175, CAMERON Treubia **6.**—*T. lacustris* **sp. n.** Cranberry Lake, N.Y. p. 270, NOTMAN New York State Coll. Forestry Tech. Pubn. **17** 1924.

Velleius inquietus **sp. n.** Almora p. 107, CHAMPION Ent. Mo. Mag. **61.**

Wasmannina **gen. n.** *trapezicollis* **sp. n.** Bolivia p. 75, MANN J. Wash. Acad. Sci. **15.**

Xanthocypus **subgen. n.** see *Staphylinus.*

Xantholinus pernitidus, p. 185, *avanicus* p. 184, **spp. n.** Java, CAMERON Treubia **6.**—*X.* (*Gyrohypnus*) *ebneri* **sp. n.** Spain p. 85 fig., key to European spp. of subgen. *Gyrohypnus* p. 89, SCHEERPELTZ Eos **1.**—*X.* subanophthalmic and anophthalmic spp. with key to European pp. 1–17, SCHEERPELTZ Wiener ent. Ztg. **42.**

Xanthopygus collaris **sp. n.** Brazil p. 38, BERNHAUER Wiener ent. Ztg. **42.**

Xenocephalus panamensis **sp. n.** Panama Canal Zone p. 166, MANN Psyche **32.**

Zyras decoratus **sp.n.** Paraguay p. 164, BERNHAUER Arch. Natg. **86** A 8 (1920) 1921.—*Z. ecitonis* **sp. n.** Panama Canal Zone p. 169, MANN Psyche **32.**

PSELAPHIDAE.

Geographical distribution of Pselaphidae, RAFFRAY Mem. pont. Acc. n. Linc. (2) **6** 1923 pp. 149–229 ; (2) **7** 1924 pp. 1–158.

Amaurops (*Seracamaurops* **subgen. n.**) *frieseni*, *grandis* p. 147, (*Troglamaurops*) *ganglbaueri* p. 148 **spp. n.** Herzegovina fig., WINKLER Koleopt. Rundsch. **11.**

Batrisodes venustus larva p. 379 fig., ROSENBERG Ent. Medd. **14.**

Chalcoplectus **gen. n.** p. 13, *depressus* **sp. n.** p. 14 Victoria, OKE Vict. Nat. **42.**

Ctenistes, *Tecnesis* **subgen. n.** p. 59, PEYERIMHOFF Bull. Soc. R. ent. Egypte **1925.**

Fustigerodes andreaei **sp. n.** Natal p. 237, WASMANN D. ent. Zs. **1925.**

Narcodes crassus p. 10, *vulgaris* p. 11, **spp. n.** Victoria, OKE Vict. Nat. **42.**

Pselaphodes spinosus Kumaon p. 261, *simplicicornis*, *torticornis* Assam p. 262, **spp. n.**, CHAMPION Ent. Mo. Mag. **61.**

Pselaphus dalmatinus **sp. n.** Dalmatia p. 50, ROUBAL Wiener ent. Ztg. **42.**

Rybaxis sternalis **sp. n.** Victoria p. 9, OKE Vict. Nat. **42.**

Sagola helenae, *victoriae* p. 7, *brevipennis*, *formicicola* p. 8, **spp. n.** Victoria, OKE t.c.

Seracamaurops **subgen. n.** see *Amaurops.*

Tecnesis **subgen. n.** see *Ctenistes.*

Tmesiphorus camponoti **sp. n.** Victoria p. 12, OKE Vict. Nat. **42.**

Trimium carpathicum **var. n.** *adriaticum* Dalmatia p. 50, ROUBAL Wiener ent. Ztg. **42.**

SILPHIDAE.

Monograph of Bathysciinae of Southern Europe & Mediterranean Basin, JEANNEL Arch. Zool. Paris **63** 1924 pp. 1–436 figs.

Revision of Necrophorini of the world with keys, PORTEVIN Bull. Mus. Paris **1924** p. 83.

Albaniola **gen. n.** for *Bathysciola merditana* Apf. p. 43 fig., JEANNEL Arch. Zool. Paris **63** 1924.

Anillocharis stenopterus **subsp. n.** *matzenaueri* Herzegovina p. 254, JEANNEL t.c.

Anisotoma puritana Massachusetts p. 310, *fusciclava* California p. 311, **spp. n.**, FALL Can. Ent. **57.**

Antroherpon hossei, *jeanneli* **spp. n.** p. 143, *apfelbecki* **subsp. n.** *sculptifrons* p. 144 Herzegovina fig., WINKLER Koleopt. Rundsch. **11.**—*A. echinatum* p. 409, *subalpinum* p. 412 **spp. n.** ; *stenocephalum* **subsp. n.** *noesskei* ; *erebus* **subsp. n.** *scheibeli* p. 411 Balkans ; *Leptomeson* **subgen. n.** p. 414 figs., JEANNEL Arch. Zool. Paris **63** 1924.

Aphaobius milleri **subsp. n.** *fortesculptus* Jugoslavia p. 46, MÜLLER Wiener ent. Ztg. **42.**

Apholeuonus nudus **subspp. n.** *cryophilus*, *winkleri* ; *curticollis* **sp. n.** Balkans p. 353, JEANNEL Arch. Zool. Paris **63** 1924.

Bathyscia serbica see *Magdelainella.*

Bathyscimorphus trifurcatus **sp. n.** Carniola p. 338 fig., JEANNEL Arch. Zool. Paris **63** 1924.

Bathysciola clavicornis p. 82, *volsiniensis* p. 84, *agostini* p. 86, *ochsi* p. 89, *fauveli*, *arcuatipes* p. 95 **spp. n.** ; *simbruinica* **subspp. n.** *aretina*, *trasimenica*, *latia* ; *pumilio* **subsp. n.** *valestrina* p. 85 ; *foveicollis* **subsp. n.** *argodi* p. 88 ; *larcennei* **subsp. n.** *convena* p. 92 ; *Boldoria* **subgen. n.**, type *aculeata* p. 97, *doderona* **spp. n.** ; *Ovobathysciola* **subgen. n.** type *marjori* Reitt. p. 98 Europe figs., JEANNEL Arch. Zool. Paris **63** 1924.—

B. penicillata **sp. n.** Catalonia p. 11, key p. 14 figs., JEANNEL Publ. Junta Ciên. Nat. **4** no. 8 1924.—*B. kerkyrana* see *Mülleriella, curzolensis* see *Dalmatiola, merditana* see *Albaniola.*

Batinoscelis **subgen. n.** see *Speonomus.*

Blattochaeta matchai p. 262, *paganettii* p. 263, **spp. n.** Dalmatia figs., JEANNEL Arch. Zool. Paris **63** 1924.

Blitophaga opaca, biology pp. 433–496 figs., BLUNCK & JANISCH Arb. Biol. Reichsanst. **13.**

Boldoria **subgen. n.** see *Bathysciola.*

Breuilia mimetica **sp. n.** Spain p. 71 fig., JEANNEL Arch. Zool. Paris **63** 1924.

Ceuthmonocharis pusillus **sp. n.** Carniola p. 343 fig., JEANNEL t.c.

Ceuthophyes **gen. n.** p. 43, *karamani* **sp. n.** Macedonia p. 45 figs., JEANNEL t.c.

Charonites weihratheri **subspp. n.** *prosternalis, pygmaeus* p. 363 ; *matzenaueri* **subsp. n.** *apfelbecki* p. 364 Bosnia, JEANNEL t.c.

Choleva revision pp. 1–160, keys to subgenera & spp. pp. 29–43, (*Cholevopsis*) *winkleri* Rumania p. 46, *marseuli* Adana p. 56, *bedeli* Anatolia p. 67, *jailensis* Crimea, *septentrionis* Norway, p. 68 **spp. n.**, *sibirica* **n. n.** for *pallida,* Poppius p. 71, *villosa* Greece p. 81, *bicolor* Galicia p. 103 **spp. n.**, *fagniezi* **rr.n.** *brevistylis* Pyrenees, *gallica* N. France, *gracilicornis* Croatia p. 122 figs., JEANNEL L'Abeille **23** 1923.

Crivosiella **subgen. n.** see *Speonesiotes.*

Dalmatiola **gen. n.** for *Bathysciola curzolensis* Ganglb. p. 42, JEANNEL Arch. Zool. Paris **63** 1924.

Della-Beffaella **subgen. n.** see *Royerella.*

Diaprysius serullazi **subsp. n.** *alberti* Cevennes p. 192, JEANNEL Arch. Zool. Paris **63** 1924.

Eucatopini **trib. n.** p. 233, key to genera p. 235 fig., JEANNEL Voy. Alluaud et Jeannel Afr. Orient. **16** 1921.

Icharonia leonhardiana **subsp. n.** *trescavicensis* Jugoslavia p. 47, MÜLLER Wiener ent. Ztg. **42.**

Leonhardella kyselyi **sp. n.** Bosnia p. 250, JEANNEL Arch. Zool. Paris **63** 1924.

Leptomeson **subgen. n.** see *Antroherpon.*

Machaeroscelis **subgen. n.** see *Speonomus.*

Magdelainella **gen. n.** for *Bathyscia serbica* (=*noesskei* Apf.) p. 73 figs., JEANNEL Arch. Zool. Paris **63** 1924.

Mülleriella **gen. n.** for *Bathysciola kerkyrana* Reitt. p. 39, *moczarskii* **sp. n.** Greece p. 41 figs., JEANNEL t.c.

Necrophorus humator Goeze (=*sulcatus* F.- W.) p. 236, JACOBSON Rev. russe Ent. **18** 1924.—*N. humator* **f. n.** *signiceps* Brandenburg p. 306, DELAHON D. ent. Zs. **1925.**—*N. marginatus* **ab. n.** *cordiger* p. 84 ; *hecate* **abb. n.** *rubripennis, disjunctus* p. 85 N. America ; *pustulatus* **abb. n.** *fasciatus, unicolor* America, Asia p. 86 ; *sepultor* **abb. n.** *lateplagiatus* p. 145, *reitteri, charpentieri* p. 146 Europe, Central Asia ; *confusus* **sp. n.** p. 147 China ; *investigator* **varr. n.** *variolosus* p. 149, *lutescens* p. 150 Europe Asia, N. America ; *oberthuri* Yunnan p. 187; *flexuosus* **spp. n., abb. n.** *humerosus, maculatus, posticalis* Mexico to Peru p. 191 ; *japonicus* **ab. n.** *melas* Japan, N.E. China, Formosa p. 192 ; *fossor* **var. n.** *infuscaticornis* Europe, Asia, N. Africa, p. 289 ; *defodiens* **ab. n.** *mannerheimi* N. America p. 293 ; *vespilloides* **var. n.** *borealis* Lapland, **ab. n.** *tristis* Central America p. 375, PORTEVIN Bull. Mus. Paris **1924.**

Netolitzkya maneki **subsp. n.** *iltschewi* Bulgaria p. 223, JEANNEL Arch. Zool. Paris **63** 1924.

Oritocatops **gen. n.** p. 236, *kenyensis* **sp. n.** E. Afr. p. 239 figs., JEANNEL Voy. Alluaud et Jeannel Afr. Orient. **16** 1921.

Ovobathysciola **subgen. n.** see *Bathysciola.*

Parabathyscia mancinii **sp. n.** Liguria p. 121 figs., JEANNEL Arch. Zool. Paris **63** 1924.

Parapropus sericeus **subsp. n.** *mülleri* Bosnia p. 376, JEANNEL t.c.

Perriniella bofilli **sp. n.** Catalonia p. 14 figs., ALVAREZ Publ. Junta Ciên. Nat. **4** no. 7 1924.

Pholeuonella matchai, andrijevicensis **spp. n.** Balkans p. 331 figs., JEANNEL Arch. Zool. Paris **63** 1924.

Pholeuonopsis breiti **n. n.** for *leonhardi* Breit. (nec Reitt.) p. 258, *magdelainei* **sp. n.** Serbia p. 260 figs., JEANNEL t.c.

Proleonhardella apfelbecki **sp. n.** Bosnia p. 245, JEANNEL t.c.

Royerella (*Della-Beffaella* **subgen. n.**) *roccae* **sp. n.** Alps p. 71 figs., CAPRA Atti R. Acad. Sci. Torino **59** 1924.

Sophrochaeta rothi **sp. n.** Transsylvania p. 297, JEANNEL Arch. Zool. Paris **63** 1924.

Speocharis zariquieyi **sp. n.** p. 59; *sellai* **subsp. n.** *henrici* p. 61; *autumnalis* **subsp. n.** *brevicornis* p. 63; *sharpi* **subsp. n.** *nigricans* p. 64 Spain fig., JEANNEL t.c.

Speonesiotes **subgen. n.** *Crivosiella* p. 285, *hümmleri, brachycerus* **spp. n.**; *narentinus* **subsp. n.** *simplicipes* Central Europe p. 286 figs., JEANNEL t.c.

Speonomidius **subgen. n.** see *Speonomus.*

Speonomus colominasi **sp. n.** p. 6; *kiesenwetteri* **subsp. n.** *san-llorensi,* **r. n.** *castellsaperai* p. 10 Catalonia figs., ALVAREZ Publ. Junta Cièn. Nat. **4** no. 7 1924.—*S. ellipticus* **sp. n.** Catalonia p. 15 fig., JEANNEL Publ. Junta Cièn. Nat. **4** no. 8 1924.—*S.* **subgenn. n.** *Batinoscelis* p. 130, *Machaeroscelis* p. 131, *Speonomidius* p. 134; *infernus* **subsp. n.** *arbasanus* p. 148; *zariquieyi* **sp. n.** p. 159 Europe figs., JEANNEL Arch. Zool. Paris **63** 1924.

Speophilus **subgen. n.** *Trapezodirus* p. 168; *fonti* **subsp. n.** *zariquieyi* p. 170 Europe figs., JEANNEL Arch. Zool. Paris **63** 1924.

Trapezodius **subgen. n.** see *Speophilus.*

Troglocharinus ferreri **subsp. n.** *fonti* Catalonia p. 17 figs., ALVAREZ Publ. Junta Cièn. Nat. **4** no. 7 1924.—*T. f.* **subsp. n.** *zariquieyi* Catalonia p. 17, JEANNEL t.c. **4** no. 8 1924.

Troglodromus bucheti **subsp. n.** *parvulus* Maritime Alps p. 206, JEANNEL Arch. Zool. Paris **63** 1924.

LIODIDAE.

Cyrtusa confecta Walk. from *Phalacrus*; *spinipes* Broun from *Zeadolopus* p. 6; *japonica* Japan, *serrativentris* S. Africa p. 8, *conicitarsis* Antilles, *australis* p. 9, *bakewelli* Australia p. 10 **spp. n.**, key p. 7 figs., CHAMPION Ent. Mo. Mag. **61**.

Phalacrus confectus see *Cyrtusa.*

Zeadolopus spinipes see *Cyrtusa.*

HYDROSCAPHIDAE.

Hydroscapha turbinata **sp. n.** Kumaon p. 173, CHAMPION Ent. Mo. Mag. **61**.

SCAPHIDIIDAE.

Notes on Scaphidiidae, PIC Ann. Soc. ent. Belg. **64** 1924 pp. 193–196.

Scaphidiolum lunatum **var. n.** *bioculatum* Tenasserim, *longithorax* **var. n.** *nigriventre* Singapore, *grande* **var. n.** *melanopus* Philippines p. 91, ACHARD Sbornik ent. odd. Narod. Mus. Praze **2** (15) 1924.—*S. lineatipes* **sp. n.** Congo p. 8, PIC Échange [**40**] **41**.

Scaphidium sinuatum, castaneicolor **spp. n.** Formosa p. 32, CSIKI Ann. Mus. Hung. **21** 1924.

HISTERIDAE.

Histeridae collected in Mediterranean area, 1914–1918, AUZAT Bull. Mus. Paris **1925** pp. 74–76.

Revision of Histeridae of France, HOULBERT & MONNOT Faune ent. armor. 1922 sep. pp. 17–75 67 figs.

Acritus lividus Lord Howe I. p. 258, *norfolcensis* Norfolk I., *castaneus* Tasmania p. 260, *halmaturinus* p. 258, *occidentalis, suturalis* p. 259, *tropicus* p. 261, *sternalis, inquilinus* p. 262 Australia **spp. n.**, LEA Trans. Ent. Soc. Lond. **1924**.

Atholus nitidissimus **sp. n.** Philippines p. 87, DESBORDES Bull. Soc. ent. Fr. **1925**.

Campylister **subgen. n.** see *Hister.*

Carcinops tibialis **sp. n.** Australia p. 252, LEA Trans. Ent. Soc. Lond. **1924**.

Chlamydopsis loculosa p. 254, *mormolyce* p. 255, **spp. n.** Australia, LEA t.c.

Chronus jacobsoni **sp. n.** Sumatra p. 21, DESBORDES Bull. Soc. ent. Fr. **1925**.

Coprister **subgen. n.** see *Hister.*

Cylistosoma ineditum **sp. n.** Philippines p. 86, DESBORDES t.c.

Dendrophilopsis proditor **sp. n.** Siberia p. 61, REICHARDT Rev. russe Ent. **19.**

Euclasea raptantis **sp. n.** Brazil p. 353, REICHENSPERGER Ent. Mitt. **14.**

Euxenister wheeleri **sp. n.** Panama Canal Zone p. 173 fig., MANN Psyche **32.**

Hetaeriobius **gen. n.** p. 351, *bucki* **sp. n.** Brazil p. 352 fig., REICHENSPERGER Ent. Mitt. **14.**

Hister **subgenn. n.** *Spilister* p. 26, *Rhabdister* p. 27, *Ptomister* p. 28, *Coprister* p. 30, *Campylister* p. 34, *Humister* pp. 75 & 35 France, HOULBERT & MONNOT Faune ent. armor. 1922.—*H. alticola* **sp. n.** Kamerun p. 310, DESBORDES Bull. Mus. Paris **1925.**—*H. carbonarius* Ill. (=*silantjevi* Shir.) p. 166, REICHARDT Ent. Bl., Berlin **20** 1924.

Hololepta plana **varr. n.** *orientalis, deficiens* Rumania p. 89, ROUBAL Misc. ent. **28.**

Humister **subgen. n.** see *Hister.*

Hypocacculus fugitivus **sp. n.** Bombay p. 12, DESBORDES Bull. Soc. ent. Fr. **1925.**

Hypocaccus metallicus biology p. 33, SCHLEICHER Ent. Anz. **5.**

Mesynodites **n. n.** for *Synodites* Schm. (nec Förster) p. 163, REICHARDT Ent. Bl., Berlin **20** 1924.

Paratropus assmuthi p. 355, *planiceps* p. 356, **spp. n.** India, REICHENSPERGER Ent. Mitt. **14.**

Paromalus kentiae, cribratus **spp. n.** Lord Howe I. p. 251, LEA Trans. Ent. Soc. Lond. **1924.**—*P. parvopunctatus* **sp. n.** Queensland p. 2, LEA Ark. Zool. **17A** no. 17.

Platysoma philippinicola **sp. n.** Philippines p. 85, DESBORDES Bull. Soc. ent. Fr. **1925.**—*P.*, key to some spp. p. 240, *multistriatum* p. 245, *lateripunctum* p. 246, *caviceps* p. 247, *subcostatum, striativarium* p. 248, *striativentre* p. 249, *apicipunctum* p. 250 Australia, *abundans* Lord Howe I. p. 246, **spp. n.**, LEA Trans. Ent. Soc. Lond. **1924.**—*P. conjungens* **sp. n.** Queensland p. 1, LEA Ark. Zool. **17A** no. 17.—*P. euphorbiae* **sp. n.** Morocco p. 8, PEYERIMHOFF Bull. Soc. Sci. nat. Maroc **5.**

Ptomister **subgen. n.** see *Hister.*

Rhabdister **subgen. n.** see *Hister.*

Saprinus carinipennis **sp. n.** S. America p. 372, DESBORDES Bull. Mus. Paris **1924.**—*S. maculatus* **ab. n.** *lateralis* Spain p. 517, FUENTE Bol. R. Soc. esp. Hist. nat. **25.**—*S. ovillum* Sols. (=*fausti* Schm.) p. 165, REICHARDT Ent. Bl., Berlin **20** 1924—*S. sedakovi* **var. n.** *gelidus* W. Siberia p. 112, REICHARDT Ent. Bl. **21.**—*S.*, hibernation pp. 5–8, SPETT Zs. wiss. Insektenbiol. **20.**

Spatochinus **gen. n.** *termitophilus* **sp. n.** India p. 162, DESBORDES Bull. Soc. ent. Fr. **1925.**

Spilister **subgen. n.** see *Hister.*

Stictostix ectatommae p. 256, *cognata* p. 257, **spp. n.** Australia, LEA Trans. Ent. Soc. Lond. **1924.**

Synodites bifurcatus **sp. n.** Panama, Canal Zone p. 170, MANN Psyche **32.**

Troglosternus ecitonis **sp. n.** Panama, Canal Zone p. 172, MANN t.c.

Tylois barberi **sp. n.** Guatemala p. 176, MANN t.c.

NITIDULIDAE.

Acribis **gen. n.** see *Cybocephalus.*

Cybocephalus semiflavus Kumaon **sp. n.** p. 263, CHAMPION Ent. Mo. Mag. **61.**—*C.* (*Acribis*) *serrativentris* **sp. n.** Galapagos Is. p. 78, WATERHOUSE Proc. Zool. Soc. Lond. **1877.**

Meligethes aeneus food-plants in U.S.A. p. 149, CHITTENDEN Bull. Brooklyn Ent. Soc. **20**; morphology, p. 22, EXT Arch. Natg. **86 A 9** (1920) 1921.

Nodola **gen. n.** (near *Cyllodes*) p. 198, *chilensis* **sp. n.** Chile p. 200 figs., BRÈTHES Rev. chil. Hist. nat. **29.**

Rhizophagus doderoi Italy p. 13, *philippi* France p. 14, **spp. n.**, MÉQUIGNON Bull. Soc. ent. Fr. **1925.**

CUCUJIDAE.

Cryptamorpha lata **sp. n.** Victoria p. 15, OKE Vict. Nat. **42.**

Eicolyctus Sahlb. belongs to Cucujidae (near *Phloeostichus* Redt.) not Lyctidae pp. 210–213, HELLÉN Med. Soc. Faun. Fl. Fenn. **46** 1921.

Silvanus surinamensis, food-habits pp. 76–112, JABLONOWSKI Zs. angew. Ent. **11.**

PHALACRIDAE.

Acylomus fortis **sp. n.** Brazil p. 617, CHAMPION Ann. Mag. N. H. (9) **16.**

Euphalacrus **gen. n.** p. 608, *crassipes* **sp. n.** Brazil p. 609 figs., CHAMPION t.c

Heterolitus Guill. 1893 (=*Parischius* 1896), *thoracicus* Fleut. 1887 (=*P. noteroides* Blkb. 1895); *triguttatus*, *platycnemus* p. 39, *substrigosus*, *obliquenotatus* p. 41, **spp. n.** S. Africa fig., CHAMPION op. cit. **15.**

Heterostilbus longiclava Borneo p. 619, *kobensis* Japan p. 620, **spp. n.**, CHAMPION op. cit. **16.**

Litochrus malayanus Celebes, *rufoguttatus* Japan, **spp. n.** p. 618, CHAMPION t.c.—*L. promontorii* see *Tolyphus capensis.*

Litolibrus erythropterus, *argus* p. 610, *ocellatus*, *pantherinus* p. 611, *octoguttatus*, *bipupillatus* p. 612, *obliteratus*, *obliqueguttatus* p. 613, *angularis*, *gibbus* p. 614 S. America, **spp. n.**, CHAMPION t.c.

Litotarsus **gen. n.** type *dilutus* Borneo p. 615, *anisotomoides* Burma p. 616, **spp. n.** figs., CHAMPION t.c.

Merobrachys rufosignatus **sp. n.** Japan p. 620, CHAMPION t.c.

Olibrus tolyphoides p. 42, *macropus*, *bevinsi*, *viridescens* p. 43, *nigroclavatus*, *aeratus* p. 44, *natalensis* p. 45, *rufoplagiatus*, *pondoensis*, *claviger* p. 46, *mesomelas*, *rubicundus* p. 47, *quadristriatus*, *platysternus* p. 48, *evanescens*, *minusculus*, *rufoterminatus* p. 49 **spp. n.** S. Africa, *bohemani* **n. n.** for *bisignatus* Boh. (nec Ménét.) fig., CHAMPION op. cit. (9) **15.**

Parischius noteroides see *Heterolitus.*

Phalacrus darwinii **sp. n.** Galapagos Is. p. 78, WATERHOUSE Proc. Zool. Soc. **1877.**—*P. cervus* p. 37, *laticlava* p. 38, **spp. n.** S. Africa figs., CHAMPION Ann. Mag. Nat. Hist. (9) **15.**—*P. striatodiscus*, *picipennis* Uruguay p. 603, *immarginatus* India p. 604, *punctatus* China p. 605, *bataviensis* Java, *brevidens* Japan p. 606, *tenuicornis* Philippines p. 607, **spp. n.** figs., CHAMPION op. cit. **16.**

Polyaloxus striatus **sp. n.** S. Africa p. 52, CHAMPION op. cit. **15.**

Stilbomimus rhodesianus Rhodesia, *nyasanus* p. 50, *opalinus* p. 51 E. Africa, **spp. n.** fig., CHAMPION t.c.

Stilbus dollmani p. 51, *angulatus* S. Africa, *obliquus* p. 52 E. Africa, **spp. n.**, CHAMPION t.c.—*S. avunculus* **var. n.** *bipustulatus* Japan p. 621, CHAMPION op. cit. **16.**

Tolyphus capensis Guér. (=*Litochrus promontorii* Péring. 1892) p. 37, CHAMPION op. cit. **15.**

THORICTIDAE.

List of Thorictidae with notes of distribution and host ants, HETSCHKO & WASMANN Wiener ent. Ztg. **42** pp. 183–189.

Thorictus nivellei **sp. n.** Morocco p. 311, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**—*T. castaneus* **var. n.** *peyroni* Syria; *pilosus* **var. n.** *rufocinctus*; *incisicollis*, *insulcatus* **spp. n.** Eygpt p. 29, PIC Echange **39** 1924.

LATHRIDIIDAE.

Melanophthalma argentina **sp. n.** Buenos Aires p. 11, BRÈTHES Nunquam Otiosus iv **1925.**

MYCETOPHAGIDAE.

Atritomus boissyi **sp. n.** Provence p. 101, CAILLOL Bull. Soc. ent. Fr. **1925.**

COLYDIIDAE.

Anommatus šorneri **sp. n.** Slovakia p. 57, ROUBAL Ent. Mitt. **14.**

Cerylon reticulatum **sp. n.** Caucasus, *ferrugineum* **var. n.** *arcuatum* Ukraine p. 76, ROUBAL Ent. Bl. **21.**

Colydium bicoloratum **sp. n.** Florida p. 165, BLATCHLEY Can. Ent. **57.**

Ditoma rufithorax **sp. n.** Caucasus p. 1, PIC Échange [**40**] **41.**

Endophloeus porteri **sp. n.** Chile p. 200, BRÈTHES Rev. chil. Hist. nat. **29.**

Rhagodera laticeps **sp. n.** San Benito Is. p. 326, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

CRYPTOPHAGIDAE.

Antherophagus nigricollis **sp. n.** Kumaon p. 108, CHAMPION Ent. Mo. Mag. **61.**—*A. pallens* **ab. n.** *fascifer* Czechoslovakia p. 61, ROUBAL Bull. Soc. ent. Fr. **1925.**

Cryptophagus synonymic catalogue p. 151, key p. 142 France, FALCOZ Ann. Soc. linn. Lyon **70** 1924; early stages p. 120 fig., ID., op. cit. **71.**—*C. spadiceus* **sp. n.** Spain p. 252, FALCOZ Bull. Soc. ent. Fr. **1925.**

Ephistemus punctatus **sp. n.** Florida p. 165, BLATCHLEY Can. Ent. **57.**

Telmatophilus sparganii Ahr. (= *Tenebrio arundinaceus* Forsk.) p. 242, JACOBSON Rev. russe Ent. **18** 1924.

LANGURIIDAE.

Anadastus brevicornis p. 212, *loricatus* p. 213, *longior* p. 214, *amabilis*, *dohertyi* p. 216, *brevilinea* p. 218, *melanops* p. 220, *densus* p. 223, *flavimanus*, *bombayensis* p. 225, *vicinus* p. 226, *nauta* p. 227, *attenuatus*, *ochreus* p. 228, *parallelus* p. 229, *ornatus* p. 231, *pulchellus*, *laticornis* p. 232, **spp. n.** Br. India figs.; *distinctus* **n. n.** for *nigriventris* Gorh. nec Motsch. p. 222, ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Anisoderomorpha **gen. n.** p. 182, *tuberculata* **sp. n.** Burma p. 183 fig., ARROW t.c.

Apterodastus **gen. n.** type *Stenodastus metallescens* Gorh. p. 244, *minor* Ceylon p. 247, *funebris* Burma p. 248, **spp. n.**, ARROW t.c.

Caenolanguria andamanica p. 237, *vernicata* p. 238, *melancholica* p. 240, *madrasica* p. 242, **spp. n.** Br. India, ARROW t.c.

Celolanguria **gen. n.** *curvipes* **sp. n.** S. India p. 184 figs., ARROW t.c.

Cladoxena flaviclavata **sp. n.** Ceylon p. 266 figs., ARROW t.c.

Doubledaya atripennis p. 189, *ustulata* p. 191 Bengal, *forcipata* Assam p. 201, **spp. n.**, ARROW t.c.

Idiolanguria **gen. n.** for *Tetralanguria opaca* Kr. p. 181 fig., ARROW t.c.

Languria cyanea see *Languriophasma.*

Languriophasma **gen. n.** type *Languria cyanea* Hope p. 203, *laeta* **sp. n.** India p. 204 fig., ARROW t.c.

Megalanguria **gen. n.** type *Pachylanguria metasternalis* Crotch p. 168, *producta* Burma p. 170, *melancholica*, *felix* Assam p. 171, **spp. n.**, ARROW t.c.

Pachylanguria metasternalis Crotch see *Megalanguria*, *cuprea* Unit. Prov. p. 176, *humeralis* Burma p. 177, **spp. n.** ARROW t.c.

Paracladoxena abundans Ceylon p. 262, *brevis* S. India p. 263, **spp. n.** fig., ARROW t.c.

Pharaxonotha vittata **sp. n.** Burma p. 255 fig., ARROW t.c.

Stenodastus metallescens see *Apterodastus.*

Tetralanguria opaca see *Idiolanguria.*

Thallis transversus see *Thallisellodes.*

Thallisellodes **gen. n.** type *Thallis transversus* Gorh. p. 256, *lateralis* Sikkim p. 257, *nigripennis* Tenasserim p. 259, *angulosus* Ceylon p. 259, **spp. n.** figs., ARROW t.c.

EROTYLIDAE.

Amblyopus trigonocerus Ceylon p. 94, *nilgirensis* Nilgiri Hills p. 96, *pallidicornis* U.P. p. 98, *flaviventris* Burma p. 99, **spp. n.**, ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.—*A. haemorrhous* see *Idiodacne.*

Aporotritoma **gen. n.** p. 103, *jucunda* p. 104 **sp. n.** India fig., ARROW t.c.

Aulacochilus oblongus Sikkim p. 89, *nilgirensis* S. India p. 91, **spp. n.**, ARROW t.c.—*A. flavocinctus* **sp. n.** New Guinea p. 8, ARROW Nova Guinea **15** 1924.

Coptengis brevicornis **sp. n.** New Guinea p. 6, ARROW Nova Guinea **15** 1924.

Cycloxenus **gen. n.** *hispidus* **sp. n.** India p. 152 figs., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Cyrtomorphus nigripes Assam p. 109, *elegans* Burma p. 110, *dux* Sikkim p. 113, **spp. n.** fig., ARROW t.c.

Dacne pulchella **sp. n.** Ceylon p. 33 fig., ARROW t.c.

Dactylotritoma **gen. n.** for *Triplax apicata* Crotch p. 105, ARROW t.c.

Dromodacne **gen. n.** *vivax* **sp. n.** India p. 35 fig., ARROW t.c.

Encaustes arata p. 74, *brevicollis* p. 76, **spp. n.** Assam, ARROW t.c.

Episcapha ustulata **sp. n.** New Guinea p. 5, ARROW Nova Guinea **15** 1924.

Euxestoxenus **gen. n.**, *striatus* **sp. n.** India p. 155, ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Idiodacne **gen. n.** type *Amblyopus haemorrhous* Gorh. India p. 36 fig., ARROW t.c.

Megalodacne facilis p. 45, *promensis* p. 46, *marginata* p. 47, *brevipennis* p. 48, *brachycera* p. 51, *consimilis* p. 53, *laevis*, *felix* p. 54, *servilis* p. 57, **spp. n.**, *difficilis* **var. n.** *dentata* p. 48 Br. India fig., ARROW t.c.

Micrencaustes divisa Burma p. 79, *figurata* Ceylon p. 80, *decipiens* Himalayas p. 81, **spp. n.** fig., ARROW t.c.

Neoblytus gestroi, *filicornis* **spp. n.** New Guinea p. 7, ARROW Nova Guinea **15** 1924.

Petaloscelis similis Assam, *solidus* p. 102, *varicolor* Nilgiri Hills p. 103, **spp. n.**, ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Rhodotritoma **gen. n.** type *Triplax coccinea* Crotch p. 115, *nigricornis* p. 117, *manipurica*, *ovalis* p. 118, **spp. n.** India, ARROW t.c.

Simocoptengis sellatus p. 5, *pulchellus* p. 6, **spp. n.** New Guinea, ARROW Nova Guinea **15** 1924.

Spondotriplax soror Burma p. 143, *fulviceps* Sikkim, *andamana* Andaman Is. p. 144, **spp. n.** fig., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Tetratritoma **gen. n.** type *militaris* p. 145, *angusta* p. 146 India, *longicornis* Burma p. 146, **spp. n.** fig., ARROW t.c.

Triplax castanea **sp. n.** Atlas Mts. p. 8, PEYERIMHOFF Ann. Soc. ent. Fr. **94**.—*T. peyerimhoffi* **sp. n.** Morocco p. 240 fig., de la ESCALERA Eos **1**.—*T. syriaca* **sp. n.** Asia Minor p. 155, amended to *akbesiana* **n.n.** p. 457, ESCALERA Bol. R. Soc. esp. Hist. nat., Madrid **25** 1925.—*T. apicata* see *Dactylotritoma*, *T. coccinea* see *Rhodotritoma*.

Tritoma laxicornis p. 123, *excellens*, *lobicollis* p. 124, *nilgiria* p. 126, *recurrens* p. 127, *digitalis* p. 130, *viridipennis* p. 131, *melanopa* p. 132, *aurantiaca*, *eximia* p. 133, *infanta*, *cincta* p. 135, *felix*, *nigropicta* p. 137, *nigribasis* p. 138, *lobisternum* p. 139, *scutigera* p. 140, **spp. n.** India figs., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

ENDOMYCHIDAE.

Asymbius claviger p. 400, *rufus* p. 401, **spp. n.** India, ARROW Fn. Brit. Ind. Col Erotylidae etc. 1925.

Atrichonota **gen. n.** p. 386, type *flavipennis* **sp. n.** Burma p. 387 fig., ARROW t.c.

Bolbomorphus subovatus Yunnan, *undulatus* China, **spp. n.** p. 2, PIC Mél. Exot. Ent. **44**.

Chondria araneola **sp. n.** Sikkim p. 366 fig., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Cyclotomima **gen. n.**, *luteonotata* **sp. n.** Tonkin p. 2, PIC Mél. Exot. Ent. **44**.

Cymbachus spilotus **sp. n.** Sikkim p. 281 fig., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Cymones atripennis **sp. n.** Madagascar p. 1, PIC Mél. Exot. Ent. **44**.

Danaë clauda p. 390, *sericea* p. 391, *ornata* p. 392, **spp. n.** India fig., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Dapsa celata **sp. n.** Darjeeling p. 337, ARROW t.c.

Ectomychus flavipes p. 368, *nigripes* Assam, *ovatus* p. 369 Burma, **spp. n.** fig., ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Engonius pubescens Burma p. 311, *vicinus* p. 313, *variicornis* p. 317 India, **spp. n.** fig., ARROW t.c.—*E. coomani* (with **var. n.** *cinctus*) Tonkin, *bimaculatus* Malacca, **spp. n.** p. 3, PIC Mél. Exot. Ent. **44**.

Eucteanus mussuricus **sp. n.** India p. 352, ARROW t.c.

Eumorphus opacicollis p. 301, *depressus* p. 302, *trabeatus* p. 303, **spp. n.** Burma, ARROW t.c.

Exysma ceylonica, *indica* **spp. n.** India p. 397 fig., ARROW t.c.

Haploscelis viridescens p. 1, *purpureotinctus* p 2, **spp. n.** Madagascar, PIC Mél. Exot. Ent. **44**.

Indalmus latus **sp. n.** p. 325, *lachrymosus* p. 327, **spp. n.** India, ARROW Fn. Brit. Ind. Col. Erotylidae etc. 1925.

Pedanus vestitus **sp. n.** Malabar p. 322, ARROW t.c.

Stenotarsus gravidus p. 373, *madurensis* p. 374, *nilgiricus* p. 377, *dentipes* p. 382, *seminalis*, *hilaris* p. 384, **spp. n.** India fig., ARROW t.c.—*S. bicoloriceps* **sp. n.** Brazil p. 87, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Trochoideus desjardinsi myrmecophily p. 136, WASMANN Biol. Zentralbl. **45**; not myrmecophilous p. 572, ROEPKE Biol. Zentr. **45**.

COCCINELLIDAE.

South American Coccinellids of the British Museum, BRÈTHES An. Mus. H.n. B.A. **33** pp. 195–214 7 figs.

Gregarious habit of Coccinellidae in Turkestan, DOBRZHANSKY Zs. wiss. Insektenbiol. **20** pp. 249–256.

Adalia bipunctata, decempunctata variation pp. 201–212, DOBRZHANSKY Rev. russe Ent. **18** 1924.—*A. bipunctata* **ab. n.** *discedens* Silesia p. 52, KOLBE Jahresh. Ver. schles. Insekt. **14** 1924.

Adonia variegata early stages p. 138, VAYSIÈRRE & MIMEUR Agron. colon. No. 88.

Arrowella ? albilacus **sp. n.** Patagonia p. 6, BRÈTHES Nunquam Otiosus iii **1925**.

Auladoria **gen. n.** p. 13, *arrowi* **sp. n.** Amazons p. 15 fig., BRÈTHES t.c.

Brachyacantha lengi **sp. n.** Brazil p. 202, BRÈTHES An. Mus. H.n. Buenos Aires **33**.—*B. arrowi* **sp. n.** S. America p. 9, BRÈTHES Nunquam Otiosus iii **1925**.

Cephaloscymnus porteri **sp. n.** Chile p. 206, BRÈTHES Rev. chil. Hist. nat. **29**.

Cerasommatidiidae **fam. n.** p. 199, BRÈTHES An. Mus. H.n. B.A. **33**.

Cerasommatidia **gen. n.** p. 199, *arrowi* **sp. n.** Brazil p. 201 figs., BRÈTHES t.c.

Chilomenes sexmaculata variation pp. 363–364, SUBRAMANYAM Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Chnoodes arrowi, pseudosanguineus **spp. n.** Brazil p. 7, BRÈTHES Nunquam Otiosus iv **1925**.

Cleothera traili Brazil p. 10, iii, *biquadrina* Amazon p. 2, *trina, sexnotata* p. 3, *nigripennis* p. 4 Brazil, **iv, spp. n.**, BRÈTHES Nunquam Otiosus 1925.—*C. bromelicola* **sp. n.** Panama p. 81, SICARD Ann. Mag. N. H., London (9) **15** 1925.

Coccinella notes on Japanese spp. pp. 534–541 figs., KURISAKI Dobuts. Z. **34** 1922.—*C.*, genitalia p. 241 figs., DOBRZHANSKY Zool. Anz. **62**.

Coccinula **gen. n.** genitalia p. 245 figs., DOBRZHANSKY Zool. Anz. **62**; revision p. 277, key p. 283, Id. op. cit. **64**.

Cryptognatha bryanti **sp. n.** Brazil p. 201, BRÈTHES An. Mus. H.n. B.A. **33**.—*C. nitidella* p. 7, *weisei* p. 8, **spp. n.** Brazil, BRÈTHES Nunquam Otiosus iii **1925**.

Cydonia lunata p. 135, *vicina* p. 137 biology, VAYSSIÈRE & MIMEUR Agron. colon. no. 88.

Diomus assentator Argentine p. 15, iii, *viator* p. 8, *messorius* Brazil, *tenuis* Paraguay p. 9, **iv, spp. n.**, BRÈTHES Nunquam Otiosus 1925.—*D. fructuosus* p. 209, *opportunus, profectus* p. 210, *posticatus* p. 211 Brazil, *locuples* p. 212, *assentator* p. 213 Argentina, **spp. n.** figs., BRÈTHES An. Mus. H.n. B.A. **33**.

Epilachna niponica, 28-maculata differences discussed pp. 109–110, KURISAKI Insect World **26** 1922.—*E. grayi* **var. n.** *zebra* Nilgiri Hills p. 448, SICARD Ann. Mag. N. H. (9) **15**.

Exoplectra bernardinensis **sp. n.** Paraguay p. 8, BRÈTHES Nunquam Otiosus iv 1925.

Hippodamia variegata synonymy of aberrations; *beffae* **ab. n.** Italy; ab. *lestagei* **n.n.** for ab. *triangularis* Lem. nec Beffa p. 149, LEMAN Ent. Rec. **37**.

Hyperaspis gravabilis S. Paulo p. 12, *arrowi* (with **var. n.** *darwini*) Uruguay p. 12, iii, *communalis* Brazil p. 4, *juniapuca* Amazon p. 5, *laterinotata* Brazil p. 5, **iv, spp. n.**, BRÈTHES Nunquam Otiosus 1925.—*H. festiva* Muls. (= *lemniscata* Boh.) p. 204, *arrowi* p. 205, *elegantissima* p. 206, **spp. n.** Argentina, BRÈTHES An. Mus. nac. Hist. nat. B.A. **33**.—*H. pluto, jovialis* **spp. n.** California p. 311, FALL Can. Ent. **57**.

Lithophilus festae **sp. n.** Cyrenaica p. 9, DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.

Neaporia arrowi p. 207, *gorhami* p. 208, **spp. n.** Brazil fig., BRÈTHES An. Mus. H.n. B.A. **33**.

Neorhyzobius fuegensis **sp. n.** Tierra del Fuego p. 16, BRÈTHES Nunquam Otiosus iii 1925.

Nephus ornatus **sp. n.** (with **var. n.** *oculatus*) Mauretania p. 141, SICARD in VAYSSIÈRE & MIMEUR Agron. colon. no. 88.

Nothorhyzobius porteri **sp. n.** Chile p. 205, BRÈTHES Rev. chil. Hist. nat. **29.**

Osumia **gen. n.** *bimaculata* **sp. n.** Japan pp. 101–108 figs., KURISAKI Dobuts. Z. **35** 1923.

Perinorthus **gen. n.** p. 4, *pentiliformis* **sp. n.** Rio de Janeiro p. 5 fig., BRÈTHES Nunquam Otiosus iii 1925.

Pharus brevemaculatus **sp. n.** Spain p. 10, PIC Échange [**40**] **41.**

Pseudosynonycha **gen. n.** pp. 101–108 figs., KURISAKI Dobuts. Z. **35** 1923.

Ptychanatis axyridis breeding of pp. 371–376, 411–413, GENJI Insect World **27** 1923.

Pullus errator p. 213, *percomis* p. 214, **spp. n.** Argentina, BRÈTHES An. Mus. H.n. B.A. **33.**—*P. electus* **sp. n.** Brazil p. 10, BRÈTHES Nunquam Otiosus iv 1925.—*P. belophallus* **sp. n.** Cyrenaica p. 137 fig., CAPRA Boll. Soc. ent. ital. **57.**

Scymnus notes on Japanese spp. pp. 14–17, KURISAKI Insect World **27** 1923.—*S. guadalupensis* **sp. n.** Guadaloupe p. 327, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**—*S. coccivora* **sp. n.** Coimbatore p. 491 figs., RAMAKRISHNA AYYAR J. Bombay Nat. Hist. Soc. **30.**

Sidis soudanensis **sp. n.** Fr. W. Africa p. 143, SICARD in VAYSSIÈRE & MIMEUR Agron. colon. no. 88.

Solanophila sanguinea **sp. n.** Amazon p. 6, BRÈTHES Nunquam Otiosus iv 1925.—*S. erinacea* **sp. n.** Nilgiri Hills p. 447, SICARD Ann. Mag. N. H. (9) **15.**

Stictobura rubroguttata **sp. n.** Nilgiri Hills p. 449, SICARD t.c.

DERMESTIDAE.

Cryptorhopalum obscurus an Anobiid not a Dermestid p. 46, LEA Trans. R. Soc. S. Australia **48** 1924.

Dermestes coarctatus bionomics pp. 65–118 figs., YOKOYAMA Imp. Sericult. Expt. Sta. Tokyo Rept. **7.**—*D. frischi* biology pp. 105–106, ANDRES Anz. Schädlingsk. **1.**

BYRRHIDAE.

Cephalobyrrhinae **subfam. n.** p. 174, CHAMPION Ent. Mo. Mag. **61.**

Cephalobyrrhus described p. 174, *gibbicollis* Kumaon p. 175, *japonicus* Japan p. 176, **spp. n.** figs., CHAMPION t.c.

Pelochares oblongulus **sp. n.** Kumaon p. 263, CHAMPION t.c.

PARNIDAE (DRYOPIDAE).

Biology of Dryopidae, CARTER Vict. Nat. **42** pp. 149–150.

Helmis brunnescens, castanipennis p. 177, *immunis* p. 178, *tardellus, ampliatus* p. 179, *dispar* p. 180, **spp. n.** N. America; *corpulentus* Lec. (=*antennatus* Fall) p. 181, FALL J. New York Ent. Soc. **33.**

Stenelmis fuscatus **sp. n.** Florida p. 164, BLATCHLEY Can. Ent. **57.**

HYDROPHILIDAE.

Contribution to the study of the Hydrophilidae I–IV, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65** pp. 63–77, 139–160, 261–295, 298–305.

List of Hydrophilidae of the World, KNISCH Coleopterorum Catalogus **79** 1924 pp. 1–306.

Berosus (*Enoplurus*) *borellii* Bolivia p. 8, *festai* Ecuador p. 10, **spp. n.**, KNISCH Boll. Mus. Zool. Torino **39** N.S. no. 30.—*B.* (*E.*) *bowringi* **sp. n.** India p. 168, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Cercyon afflatum p. 200, *cognatum* p. 201 New Britain, *gebieni* Java, *morosus* Sumatra p. 202, **spp. n.**, KNISCH Treubia **6.**—*C. lazarensis, secretus* Philippines p. 201, *gigas* Cape Good Hope p. 157, *fleutiauxi* Cochin China p. 276 **spp. n.**; *vicinalis* **var. n.** *vicinaloides* Shanghai; *corporaali* Amsterdam p. 278, *vividus* Tonkin p. 279, *tropicus, toxopeusi* Moluccas p. 300, **spp. n.**, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Coelofletium **subgen. n.** see *Dactylosternum.*

Coelostoma horni-lazarense Philippines p. 200, *simulans* Sarawak p. 268, *femoratum* Australia p. 270, **spp. n.**, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Crenitis zimmermanni Knisch see *Noxonus.*

Dactylosternum bakeri Penang p. 149, *helleri* New Caledonia p. 151, (*Coelofletium* **subgen. n.** p. 200) *exstriatum* Philippines p. 201, *vitalisi* p. 271, *salvazai* p. 272 Indo-China **spp. n.**, key p. 274, *bryanti* **sp. n.** Borneo p. 298, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**—*D. antennale* **sp. n.** E. Africa p. 259, d'ORCHYMONT Ann. Mus. Gen. **51** 1924.—*D. superficiale* **sp. n.** Caroline Islands p. 199, KNISCH Treubia **6.**

Enochrus (*Lumetus*) *claudei* Chile p. 72, *fallax*, *fragiloides* Philippines p. 202, *minusculus* Cochin-China p. 294, **spp. n.**, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**—*E.* (*Lumetus*) *pigrans* **sp. n.** Colombia p. 5, KNISCH Boll. Mus. Zool. Torino **39** N.S. no. 30.

Gillisius **gen. n.** p. 287, *madurensis* **sp. n.** India p. 288, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Helochares pallens-insolitus Philippines p. 202, *minor* Indo-China p. 293, **spp. n.**, d'ORCHYMONT t.c.

Helophorus (*Atracthelophorus*) *théryi* Morocco p. 145, *discretus* Syr Darja p. 147, **spp. n.**, d'ORCHYMONT t.c.

Hydraena of Belgium, keys, list pp. 45–53, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**—*H. scabra* **sp. n.** Philippines p. 200, d'ORCHYMONT t.c.

Hydramara **subgen. n.** see *Hydrobius.*

Hydrobius, *Hydramara* **subgen. n.** for *argentinus* **sp. n.** Argentina p. 2, KNISCH Boll. Mus. Zool. Torino **39** N.S. no. 30.

Hydrophilus respiration p. 651, du BUISSON Bull. Classe Sci. Acad. R. Belg. **10** 1924.

Hydrous piceus antennae as secondary respiratory organs pp. 241–249, BLUNCK & SPEYER Zool. Anz. **63.**

Laccobius jacobsoni **sp. n.** Sumatra p. 205, KNISCH Treubia **6.**—*L. arrowi* **sp. n.** New Zealand p. 68, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Litrosurus **gen. n.** p. 301, *insolitus* **sp. n.** Borneo p. 302, d'ORCHYMONT t.c.

Moraphilus **gen. n.** p. 281, *sulcatus* **sp. n.** Fr. Guiana p. 282, d'ORCHYMONT t.c.

Noteropagus politus **var. n.** *punctatus* Tonkin p. 293, *obliquus* **sp. n.** Penang p. 305, d'ORCHYMONT t.c.

Noxonus **gen. n.** (near *Crenitis*) type *C. zimmermanni* Knisch p.164, d'ORCHYMONT t.c.

Ochthebius (*Homalochthebius*) *yunnanensis* Yunnan p. 263, (*H.*) *coomani* Tonkin p. 265, **spp. n.**, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**—*O. cupricollis*, *amplicollis* p. 172, *minimus* p. 173 **spp. n.** North India, *jagthanae* Champ. (= *minimus* Champ.) p. 260, CHAMPION Ent. Mo. Mag. **61.**

Omicrogiton insularis fig. p. 171, CHAMPION Ent. Mo. Mag. **61.**

Omicrus Sharp (= *Perochthes* Sharp; *Phaenotypus* Horn) p. 291, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Oosternum saundersi **sp. n.** Singapore p. 289, d'ORCHYMONT t.c.—? *O. jeanneli* **sp. n.** E. Africa p. 261, d'ORCHYMONT Ann. Mus. Gen. **51** 1924.

Pachysternum curvatum **sp. n.** Philippines 201, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**—*P. gestroi* **sp. n.** E. Africa p. 264, d'ORCHYMONT Ann. Mus. Gen. **51** 1924.

Paracymus evanescens-orientalis p. 201, *punctillatus-atomus* p. 202, **spp. n.** Philippines, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Paromicrus bryanti p. 161, *championi* p. 162, **spp. n.** Sarawak, *scotti* **var. n.** *denseseriatum* Borneo p. 305, d'ORCHYMONT t.c.

Pelosoma eremita **sp. n.** New Britain p. 204, KNISCH Treubia **6.**—*P. orientale* **sp. n.** Moluccas p. 300, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

Peltocercyon **gen. n.** p. 284, *coomani* **sp. n.** Tonkin p. 285, d'ORCHYMONT t.c.

Perochthes see *Omicrus.*

Phaenotypus see *Omicrus.*

Psalitrus championi India, *waelbroecki* Belgian Congo, **spp. n.** p. 160, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**—*P. championi* fig. p. 171, CHAMPION Ent. Mo. Mag. **61.**

Sphaeridium vitalisi p. 153, *kolleri* p. 155, **spp. n.**, Indo-China, d'ORCHYMONT Bull. & Ann. Soc. ent. Belg. **65.**

CYPHONIDAE (HELODIDAE).

Costatocyphon **gen. n.**, *testaceimembris* **sp. n.** Madagascar p. 14, PIC Mél. Exot. Ent. **44.**

Cyphon coarctatus ab. n. *ornatus* Silesia p. 53, KOLBE Jahresh. Ver. schles. Insekt. **14** 1924.

Elodes minuta, development pp. 164–172, BENICK Ent. Bl. **21**.

Ora platensis **sp. n.** Buenos Aires p. 13, BRÈTHES Nunquam Otiosus iv 1925.

Ptilodactyla rufohumeralis, latithorax, waterstradti, atricornis, testaceicornis, subvittata p. 9, *sangirensis* p. 10 Malay Arch., *maindroni* India, *testaceimembris* Madura, *diversepunctata* China p. 9, *rufipes, opacicollis, testaceipes, reitteri, gorhami, incisa, triimpressa* p. 10, *fryi, diversepubens, annulata*, S. America, *particularicornis, sallei* Mexico p. 11 **spp. n.**, PIC Échange **39** 1924 hors-texte.

Scirtes nickerli **sp. n.** Africa p. 88, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.—*S. sandakanus* **var. n.** *differens ; semiexplanatus* **var. n.** *subexplanatus ; bicoloricornis* (with **var. n.** *subovatus*), *pilipes* Malay Arch. p. 11 **spp. n.**, PIC Échange **39** 1924 hors-texte.

DASCILLIDAE.

Daemon bergrothi, diversipes, geniculatus, pallidipes p. 13, *atricornis* Madagascar, *apicalis* (with **var. n.** *donckieri*) no locality p. 14, **spp. n.**, PIC Mél. Exot. Ent. **44**.

Octoglossa cyaneipennis **sp. n.** Costa Rica p. 28, PIC Échange **39** 1924.

Ptilodactyla curta **sp. n.** Borneo p. 183, PIC Bull. Mus. Paris **1925**.

Stenactyla bicolor (with **varr. n.** *testaceipennis, testaceicornis*) p. 14, *tananarivana* Madagascar, *auberti* (with **var. n.** *mocquerysi*) Gaboon, **spp. n.**, PIC Mél. Exot. Ent. **44**.

RHIPICERIDAE.

List of Rhipiceridae of the World. PIC Coleopterorum Catalogus **81** 1925 pp. 1–13.

Callirrhipis obscura, longeramosa, rufescens p. 5, *angustata, plicata* p. 6, **spp. n.** S. America, PIC Mél. Exot. Ent. **43**.

CIOIDAE.

Cis coluber new to Britain p. 197, DONISTHORPE Ent. Mo. Mag., London **61**.

BOSTRYCHIDAE (including LYCTIDAE).

Classification of Bostrychidae with keys, LESNE C. R. Assoc. franç. Avanc. Sci. **44** 1921 pp. 285–289.

Bostrycharis **gen. n.** p. 25, *niveosquamosus* **sp. n.** S. Africa p. 26 fig., LESNE Encyc. ent. Ser. B I Col. **1**.

Eicolyctus Sahlb. belongs to Cucujidae not Lyctidae pp. 210–213, HELLÉN Med. Soc. Faun. Fl. Fenn. **46** 1921.

Heterarthron parvulum **sp. n.** California p. 29 fig., LESNE Encyc. ent. Ser. B I Col. **1**.

Lichenophanes zanzibaricus **sp. n.** Zanzibar p. 28 fig., LESNE t.c.

Lyctus villosus occurrence in Hawaii p. 213, SCOTT Proc. Hawaiian Ent. Soc. **6**.

Trogoxylon aequale country of origin p. 638, LESNE C. R. Assoc. franç. Avanc. Sci. **45** (1921) 1922.

ANOBIIDAE.

Australian Anobiidae with keys, LEA Trans. R. Soc. S. Australia **48** 1924 pp. 15–64 figs.

Malformations of the aedoeagus and cases of probable parasitic castration in Anobiidae, SCOTT Parasitology **17** pp. 176–186 figs.

Anobium punctatum bionomics pp. 115–121 figs., BLAKE Enemies of Timber, London, Chapman & Hall **1925**.—*A. areolicolle, angustifuscum* **spp. n.** Tasmania p. 50 fig., LEA Trans. R. Soc. S. Australia **48** 1924.

Aulacanobium **gen. n.** for *Dorcatoma lanigerum* Olliff p. 44, LEA Trans. R. Soc. S. Australia **48** 1924.

Caenocara insignicornis Tasmania, *vigilans* Queensland, **spp. n.** p. 54 fig., LEA t.c.

Calymmaderus key to Australian, *pulverulens* Norfolk I. p. 52, *incisus, unistriatus* Australia, *inconspicuus* Lord Howe Island p. 53, **spp. n.** figs., LEA t.c.

Cathorama gossypii **sp. n.** Peru p. 67, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Cryptorhopalum obscurus an Anobiid, not a Dermestid, probably referable to *Dicoelocephalus* gen. n. (q.v.) p. 46, LEA Trans. R. Soc. S. Australia **48** 1924.

Deltocryptus **gen. n.** (near *Dicoelocephalus*) key, *punctiventris* (type) p. 47, *ursus* Tasmania, *aulacostethus* p. 48, *microscopicus*, *xyleboroides*, *inamoenus* p. 49, *funereus* p. 50 Australia, **spp. n.** figs., LEA t.c.

Deroptilinus **gen. n.** (near *Ptilinus*) *granicollis* **sp. n.** Tasmania p. 40 fig., LEA t.c.

Dicoelocephalus **gen. n.** *granipennis* (type) p. 45, *decipiens* p. 46, **spp. n.** Australia figs., LEA t.c.

Dorcatoma dresdensis **ab. n.** *luteola*, *punctulata* **ab. n.** *ferrea* Przemysl p. 124, TRELLA Polsk. Pismo ent. **3**.—*D.*, key to Australian spp. p. 55, *interocularis* p. 56, *bisulciceps*, *irrasa*, *corticalis* p. 57, *macrops* Australia, *tasmaniensis* Tasmania p. 58, *modica*, *antennalis*, *simulans* p. 59, *aterrima*, *atripennis* p. 60 Australia, *punctipennis* Lord Howe I., *minima*, *subcircularis* Australia p. 61, *punctilatera* Lord Howe I. p. 62, *norfolcensis*, *rhizobioides* Norfolk I., *elliptica* Lord Howe I. p. 63, *marginalis* Victoria p. 64, **spp. n.** figs., LEA Trans. R. Soc. S. Australia **48** 1924.—*D. lanigerum* see *Aulacanobium*.

Dryophilodes key p. 17, *pyrifer* Tasmania, *sagittifer*, *pictus* p. 21, *latus* p. 22, *serricornis*, *basicollis* p. 24, *pilipennis*, *bifoveiventris*, *orthodoxus* p. 25, *metasternalis* Australia, *murinus*, *acuticollis* Tasmania p. 26, *parvoniger*, *brunneipennis*, *apicipennis* p. 27, *eucalypti*, *acutangulus*, *brevicollis* p. 28, *subhumeralis*, *rufobrunneus* Australia, *seriatus* Tasmania p. 29, *flavipalpis*, *interstitialis*, *pulverulentus* p. 30, *lemanostethus*, *subcylindricus* p. 31 (with var. **n.** *brunneus*), *fumosus*, *robustus*, *niger* p. 32, Australia, *pullatus* Tasmania, *albatus* p. 33, *multiseriatus*, *latipennis*, *brevicornis*, *marginicollis* p. 34, *ubiquitosus*, *obscuripennis*, *abjectus* p. 35, *subapicalis*, *vigilans* p. 36, *planicollis*, *nigrinus*, *politus* p. 37, *subopacus*, Australia, *minor* Tasmania, *cribripennis* p. 38, *parvicollis*, *pallidus* p. 39 Australia, **spp. n.** figs., LEA t.c.

Lasioderma festai **sp. n.** Cyrenaica p. 3, PIC Boll. Mus. Zool. Torino **39** N.S. no. 20.

Mesocoelopus ingibbosus **sp. n.** Egypt p. 29, PIC Échange **39** 1924.

Priobium eichhoffi in Britain p. 11, DONISTHORPE Ent. Mo. Mag. **61**.

Pronus subhumeralis Lord Howe I., *marmoratus* Norfolk I., **spp. n.** p. 51 fig., LEA Trans. R. Soc. S. Australia **48** 1924.

Secretipes **gen. n.** *xanthorrhoeae* (type) p. 43, *latericollis* p. 44, **spp. n.** Australia figs., LEA t.c.

Tasmanobium **gen. n.** p. 42, *mimicum* **sp. n.** Tasmania p. 43, LEA t.c.

Theca maxima **var. n.** *grandis* C. Africa p. 2, PIC Ark. Zool. **17A** no. 5.

Trypopitys multimaculatus Tasmania, *pictipennis* N.S. Wales p. 41, *uniformis* Tasmania p. 42, **spp. n.**, LEA Trans. R. Soc. S. Australia **48** 1924.

Xestobium tessellatum bionomics pp. 135–153 figs., BLAKE Enemies of Timber, London, Chapman & Hall **1925**.

Xyletinus fulvicollis **var. n.** *robustus* Cairo; *bucephalus* **var. n.** *bicoloricornis* Tripoli p. 29, PIC Échange **39** 1924.

PTINIDAE.

Keys and notes on Ptinidae of Finland, HELLÉN Not. ent. **5** pp. 118–123.

Niptus hololeucus larval habits pp. 44–56, BOLDYREV Trans. 3rd All Russ. Ent.-Phyto. Meeting Petrograd 18–25 Dec. 1921 **1922**.

Ptinomorphus imperialis **var. n.** *luteosuturalis* no locality p. 13, PIC Échange [40] **41**.

Ptinus italicus **var. n.** *neapolitanus* Naples p. 1, PIC Echange [40] **41**.—*P. semiviolaceus* **sp. n.** N. Australia p. 43, PIC Ann. Mus. Gen. **51** 1923.—*P. fur* **ab. n.** *albicans* Przemysl p. 123, TRELLA Polsk. Pismo ent. **3**.

LYMEXYLONIDAE.

Atractocerus valdivianus notes pp. 112–114 fig., PORTER Rev. chil. Hist. nat. **28**.

MICROMALTHIDAE.

Micromalthus debilis life-history pp. 72–86, CAILLOL Bull. Soc. Linn. Prov. **2** 1914.

CLERIDAE.

Annotated list of Cleridae from Buru I. (Moluccas), CORPORAAL Treubia **7** pp. 1–4.

Blackburniella **gen. n.** for *Thanasimomorpha intricata* Blackb. p. 66, CHAPIN Trans. R. Soc. S. Austr. **48** 1924.

Callimerus coomani Tonkin p. 31, *bicoloripes* Formosa, *bicoloritarsis* China p. 32, **spp. n.**, Pic Mél. Exot. Ent. **44.**

Cladiscus bicoloricollis **sp. n.** Tonkin p. 31, Pic t.c.

Clerus araneipes **sp. n.** Costa Rica p. 394, Corporaal Ent. Mitt. **14.**

Erymanthus bicolor **sp. n.** Congo p. 2, Chapin Amer. Mus. Novit. **151** 1924.

Euplacocerus apicalis, dimidiatus see *Kuilua africana* (Megalopidae).

Necrobia rufipes life-history pp. 845–863 figs., Simmons J. Agric. Res. **30.**

Opilo domesticus **ab. n.** *jugoslavicus* p. 51, Roubal Wiener ent. Ztg. **42.**

Orthrius innotatus **sp. n.** Tonkin, *tonkineus* **n.n.** for *tibialis* Schk. (1915) p. 15, Pic Échange [**40**] **41.**

Tenerus fimbriatus **sp. n.** Congo p. 3, Chapin Amer. Mus. Novit. **151** 1924.—*T. savioi* China, *basilanus* Basilan **spp. n.** p. 32, Pic Mél. Exot. Ent. **44.**—*T. atripennis* **sp. n.** Cochin-China p. 301, Pic Bull. Soc. ent. Fr. **1925.**

Thanasimomorpha see *Tillus.*—*T. intricata* see *Blackburniella.*

Tillus (= *Thanasimomorpha*) p. 66, Chapin Trans. R. Soc. S. Austr. **48** 1924.

Trichodes moghrebicus **sp. n.** Morocco p. 15 fig., Lesne Bull. Soc. Sci. nat. Maroc **5.**—*T. apiarius* **ab. n.** *suturalis* Przemysl p. 122, Trella Polsk. Pismo ent. **3.**

Melyridae, Dasytidae.

Lists of Dasytidae and Malachiidae of Indo-China, Pic Faune ent. Indochine fasc. **6** 1923 pp. 46–51.

List of Malachiidae of Saone-et-Loire, Pic Bull. Soc. Hist. nat. Autun **28** 1924 pp. 51–114.

Ablechrus **gen. n.**, *flavipes* **sp. n.** Galapagos Is. p. 79, Waterhouse Proc. Zool. Soc. **1877.**

Anthocomus bipunctatus **abb. n.** *tripunctatus, unipunctatus* Przemysl p. 126, Trella Polsk. Pismo ent. **3.**

Apalochrus collarti **sp. n.** Congo; *championi* **n. n.** for *testaceicornis* Champ. nec Pic p. 8, Pic Échange [**40**] **41.**—*A. apicicornis, pygidialis* Congo, *fernandoi* Fernando Po, **spp. n.** p. 4, Pic Mél. Exot. Ent. **43.**—See *Hapalochrus.*

Astylus unicolor **var. n.** *bisbinotata* Colombia p. 13, Pic Échange [**40**] **41** hors-texte.

Attalus alyssi, interjunctus **spp. n.** Grand Atlas p. 267, key p. 268 figs., Peyerimhoff Bull. Soc. ent. France **1925.** — *A. nigropustulatus* **sp. n.** Kumaon p. 266, Champion Ent. Mo. Mag. **61.**—*A. hirsuticornis, atroopacus, binhanus, insuturalis, discoluteus, coomani* Tonkin, *incertus* p. 13, *atrilabis, tcheouensis* China p. 14, **spp. n.**, Pic Échange [**40**] **41** hors-texte.—*A. festai* **sp. n.** Cyrenaica p. 1, Pic Boll. Mus. Zool. Torino **39** N.S. no. 20.—*A. distinctitarsis* p. 45, *bugalanus* p. 46, **spp. n.** Uganda, Pic Ann. Mus. Gen. **51** 1923.

Carphuroides almorensis **sp. n.** Kumaon p. 268, Champion Ent. Mo. Mag. **61.**

Carphurus brevelineatus **sp. n., var. n.** *innotaticollis* Tonkin p. 60, Pic Faune ent. Indochine fasc. **6** 1923.—*C. corporaali* **sp. n** Sumatra p. 1, Pic Échange **39** 1924 hors-texte.—*C. coomani* **sp. n.** Tonkin p. 301, Pic Bull. Soc. ent. Fr. **1925.**

Charopus laptelensis Kumaon p. 108, *tibetanus* Tibet p. 109, **spp. n.**, Champion Ent. Mo. Mag. **61.**

Danacaea crenulata **sp. n.** Cyrenaica p. 3, Pic Boll. Mus. Zool. Torino **39** N.S. no. 20.

Dasytes irregularis **sp. n.** California p. 184, Blaisdell Pan-Pacific Ent. **1.**—*D. brevis* **n. n.** for *breviusculus* Champ. nec Motch. p. 169; *amplexus* Sikkim, *tibetensis* p. 179, *simplicitarsis* Tibet, *kangraensis* Kangra, *aspericollis* Kumaon p. 180, **spp. n.**, Champion Ent. Mo. Mag. **61.**—*D.*, key (s. str.), *interjectus* p. 3, (*Mesodasytes*) *iteratus* p. 5, (*Hapalogluta*) *crassitarsis* p. 6, **spp. n.** N. Africa figs., Peyerimhoff Ann. Soc. ent. Fr. **94.**—*D. praecelsus* p. 56, *festucarum* p. 57, *depexus* p. 58, **spp. n.** N. Africa figs., Peyerimhoff Bull. Soc. ent. Fr. **1925.**—*D. diversimembris, aeneithorax, mathieui, tondui, tripubescens* p. 5, *tuniseus* p. 10 N. Africa, *grandiceps* Abyssinia p. 17, **spp. n.**, Pic Échange [40] **41.**

Dasytiscus indutus **var. n.** *sparsepubens* p. 2 Cyrenaica, Pic Boll. Mus. Zool. Torino **39** N.S. no. 20.—*D. atrimembris* **sp. n.** Abyssinia p. 17, Pic Échange [40] **41.**

Dromanthus atripennis **sp. n.** Rio de Janeiro p. 85, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Eulobonyx gorhami **sp. n.**, *granulatus* **var. n.** *intuberculatus* India p. 27, PIC Échange **39** 1924.—*E. bicoloripes* **sp. n.** Darjeeling p. 476, PIC Bull. Mus. Hist. nat. Paris **1924.**

Flabellapalochrus **gen. n.** for *Hapalochrus mirabilis* . Pic Tonkin p. 49, PIC Faune ent. Indochine fasc. **6** 1923.

Hapalochrus opacipennis p. 48, *bayoni* p. 49, **spp. n.** Uganda, PIC Ann. Mus. Gen. **51** 1923.—*H. cochinchinensis* **sp. n.** Cochin-China p. 51, PIC Faune ent. Indochine fasc. **6** 1923. — *H. jugosus* **sp. n.** Timor p. 181, CHAMPION Ent. Mo. Mag. **61.**—*H. mirabilis* see *Flabellapalochrus.*—See *Apalochrus.*

Haplocnemus cribrosus **var. n.** *festai* Cyrenaica p. 2, PIC Boll. Mus. Zool. Torino **39** N.S. no. 20.

Hedybius flabellatus **sp. n.** Kumaon p. 268, CHAMPION Ent. Mo. Mag. **61.**—*H. nigrovittatus* **sp. n.** Abyssinia p. 3, PIC Mél. Exot. Ent. **43.**

Heterolaius tuberculatus **sp. n.** Uganda p. 48, PIC Ann. Mus. Gen. **51** 1923.

Hypebaeus atronotatus, *foveatus* **spp. n.** Kumaon p. 267, CHAMPION Ent. Mo. Mag. **61.**—*H. albomaculatus* **sp. n.** Darjeeling p. 476, PIC Bull. Mus. Paris **1924.**—*H. externecostatus* **sp. n.** India, *confusus* **n. n.** for *diversipennis* Champ. nec Pic p. 14, PIC Échange [**40**] **41** hors-texte.

Idgia amplipennis **var. n.** *obscurimembris* Tonkin p. 48 ; *elongaticeps* **sp. n.** Laos p. 62, PIC Faune ent. Indochine fasc. **6** 1923.—*I. maculicornis* Borneo, *longicollis* **spp. n.** ; *bakeri* **var. n.** *diversiceps* Philippines p. 17, PIC Échange [40] **41.**

Laius tegaensis Java, *unifasciatus* Baulan I., **spp. n.** p. 1, PIC Échange **39** 1924 hors-texte.

Listrus montanus Casey (=*maculosus* Casey) p. 83, BLAISDELL Ent. News **36.**

Malachius abdominalis **var. n.** *cyrenaicus* Cyrenaica p. 2, PIC Boll. Mus. Zool. Torino **39** N.S. no. 20.

Microlipus falli **sp. n.** Br. Columbia p. 206, HOPPING Can. Ent. **57.**

Mixis bayoni **sp. n.** Uganda p. 46, PIC Ann. Mus. Gen. **51** 1923.—*M. maculaticeps*, *reducteapicalis* **spp. n.** Abyssinia p. 3, PIC Mél. Exot. Ent. **43.**

Procerallus altivolans **sp. n.** India p. 178, CHAMPION Ent. Mo. Mag. **61.**

Pseudocolotes diversipes, *bayoni* **spp. n.** Uganda p. 47, PIC Ann. Mus. Gen. **51** 1923.

Psilothrix albilanea **sp. n.** N. Africa p. 7, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**

Sphinginopalpus rufithorax **subsp. n.** *bugalanus* Uganda p. 47, PIC Ann. Mus. Gen. **51** 1923.

Trichochrous margaritae **sp. n.** Santa Margarita Is. p. 323, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

Troglops palaestinus **var. n.** *robusticeps* Egypt p. 21, PIC Échange **39** 1924.

TELEPHORIDAE (CANTHARIDAE).

List of Telephoridae of Indo-China, PIC Faune ent. Indochine fasc. **6** 1923 pp. 31–46.

Absidia multistriata **var. n.** *lineaticeps* Darjeeling p. 486, PIC Bull. Mus. Paris **1924.**

Anolisus biungulatus **sp. n.** Kumaon p. 264, CHAMPION Ent. Mo. Mag. **61.**

Cantharis simlana p. 477, *bisbicostata*, *bicoloripennis* p. 478, *lesnei*, *bouvieri* **spp. n.** India, *subaeneipennis* **var. n.** *benardi* Pekin p. 479, PIC Bull. Mus. Paris **1924.**—*C. biimpressithorax*, *atrogeniculata*, *reducticornis* **spp. n.** Borneo p. 181, PIC op. cit. **1925.**—*C. deportata* **var. n.** *rotroui* Algeria p. 21, *allosensis* **sp. n.** French Alps p. 25, PIC Échange **39** 1924. — *C. preangerensis* **sp. n.** Java p. 2, PIC Échange **39** 1924 hors-texte.—*C. elongaticeps* **var. n.** *lacana* p. 39 ; *obconicicollis* **var. n.** *rufithorax* p. 40 ; *viator* **var. n.** *choganhensis* p. 41 ; *unistigmatica* p. 42, *coomani*, *rufopecta* p. 60 Tonkin, *matensis* Nam-Mat p. 61, **spp. n.**, PIC Faune ent. Indochine fasc. **6** 1923.—*C. rustica* **ab. n.** *asignata*, *nigricans* **ab. n.** *nigrescens*, *livida* **ab. n.** *rufescens* Przemysl p. 125, TRELLA Polsk. Pismo ent. **3.**

Chauliognathus luteonotatus **var. n.** *mrazi* p. 85, *haversii* **var. n.** *brydli* ; *maculaticeps* **sp. n.** p. 89 Brazil, PIC Sbornik ent. odd. Narod. Mus. Praze **2**

(14) 1924—*C. barraensis, riojaensis* (with **var. n.** *mendozanus*), *mimicus, reductus* (with **varr. n.** *peryensis, luteoapicalis*), *mediosuturalis, seilleri* p. 19, *granulatus, buqueti, ciliatipennis, lineaticeps, medionotatus, bimaculatus, bioculatus, undulatofasciatus, opacipennis* p. 20 **spp. n.** ; *plagiatus* **varr. n.** *latejunctus, latebasalis* p. 20 S. America, Pic Échange [40] **41** hors-texte.—*C. infrahumeralis* **sp. n.** (with **var. n.** *pauli*) p. 5, *obenbergeri* p. 15, *atrotibialis, basiniger, inbasalis, sulfureoapicalis* (with **var. n.** *mapirianus*), *bireductus, brevelineatus* (with **varr. n.** *obliteratus, wagneri*) **spp. n.**; *opacipennis* **var. n.** *postinterruptus ; fallax* **varr. n.** *basireductus, atrofasciatus ; haereticus* **var. n.** *inlateralis* S. America ; *ater* **sp. n.** Costa Rica p. 16, Pic Échange [40] **41** hors-texte.

Daiphron unifasciatum, brevelineatum, lateapicale, subparallelum S. America, *suturale* Central America, **spp. n.** p. 4, Pic Échange **39** 1924 hors-texte.

Discodon nigripes **var. n.** *atrocephalus* Mexico p. 89, Pic Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924. — *D. incisicorne, moultoni* p. 180, *semicyaneum, seminigrum* p. 181, **spp. n.** Borneo, Pic Bull. Mus. Paris **1925.**—*D. binotaticolle, testaceolimbatum* (with **var. n.** *inlaterale*) *seileri* **spp. n.** Colombia p. 3, Pic Échange **39** 1924 hors-texte.

Drilosilis lituratus Philippines p. 24, *brevelineatus, corporaali* Sumatra p. 28, **spp. n.**, Pic Échange **39** 1924.

Falsomalthodes **subgen. n.** see *Malthodes.*

Hoosilis **subgen. n.** see *Silis.*

Ichthyurus malthiniformis further described, *bidens* p. 177, *distorticornis* p. 178, **spp. n.** Kumaon, Champion Ent. Mo. Mag. **61.**

Lycocerus harmandi **sp. n.** Darjeeling p. 72, Pic Bull. Mus. Paris **1925.**—*L. angustatithorax, particularis* p. 34, *elongatus, atriceps* p. 35, **spp. n.** Tonkin, Pic Faune ent. Indochine fasc. **6** 1923. —*L. impressicornis* **sp. n.** Tonkin p. 15, Pic Mél. Exot. Ent. **44.**

Macrosilis salvazai **sp. n.** Laos p. 62, Pic Faune ent. Indochine fasc. **6** 1923.

Malthinus facialis **ab. n.** *luteolus* Przemysl p. 126, Trella Polsk. Pismo ent. **3.**—*M. tonkineus* p. 56, *inapicalis* p. 62 **spp. n.** Tonkin, Pic Faune ent. Indochine fasc. **6** 1923.—*M. sikkimensis* **sp. n.** Darjeeling p. 477, Pic Bull. Mus. Paris **1924.**—*M. coomani* **sp. n.** Tonkin p. 17, Pic Échange [40] **41.**

Malthodes supersedens **sp. n.** N. Africa p. 56 fig., Peyerimhoff Bull. Soc. ent. Fr. **1925.**—*M.* (*Podistrina*) *rugosipennis* **sp. n.** Cyrenaica p. 1, Pic Boll. Mus. Zool. Torino **39** N.S. no. 20.—*M.* **subgen. n.** *Falsomalthodes, testaceonotatus* **sp. n.** Sumatra p. 28, Pic Échange **39** 1924.—*M. denticulatus* **sp. n.** Sumatra p. 1, Pic Échange **39** 1924 hors-texte.

Microichthyurus robusticeps **sp. n.** Tonkin p. 57, Pic Faune ent. Indochine fasc. **6** 1923.

Phengodes bogotensis, curticollis, notaticollis S. America, *marginata* Central America **spp. n.** p. 5, Pic Échange [40] **41** hors-texte.

Podabrus langanus p. 36, *excavaticeps* p. 60, **spp. n.** Indo-China, Pic Faune ent. Indochine fasc. **6** 1923.—*P. sikkimensis, inaequalis* p. 480, *lineolatus, harmandi* p. 481, **spp. n.** Darjeeling, Pic Bull. Mus. Paris **1924.**

Polemiosilis atroapicalis **sp. n.** Philippines p. 2, Pic Échange **39** 1924 hors-texte.

Pseudosilis moultoni **sp. n.** Borneo p. 182, Pic Bull. Mus. Paris **1925.**

Rhagonycha albonotata **sp. n.** Darjeeling p. 479, Pic Bull. Mus. Paris **1924.**—*R. atlasica* **sp. n.** Morocco p. 6, Pic Échange [40] **41.**—*R. bigibbosicollis, binhana* p. 55, *albidipennis* (with **var. n.** *namensis*) p. 60, **spp. n.** Tonkin, Pic Faune ent. Indochine fasc. **6** 1923.—*R. plicaticeps* **sp. n.** Tonkin p. 15, Pic Mél. Exot. Ent. **44.**

Silidius atromaculatus p. 44, *gestroi* p. 45, **spp. n.** Uganda, Pic Ann. Mus. Gen. **51** 1923.—*S. opacicollis, limbatus, atriceps* p. 7, *gyldenstolpei* (with **var. n.** *longelobus*) p. 8, **spp. n.** C. Africa fig., Pic Ark. Zool. **17A** no. 5.—*S. nigriceps, scutellaris* **spp. n.** p. 2, *trinotatus* **var. n.** *lineaticeps* p. 3 Madagascar, Pic Mél. Exot. Ent. **43.**

Silis langana p. 43, *longelobata* p. 55, *longeappendiculata, binodosa, incrassicornis, semibrunnescens* p. 61, *binhana* (*Hoosilis* **subgen. n.**) *monstrosicornis* p. 56, **spp. n.** Tonkin, Pic Faune ent. Indochine fasc. **6** 1923.—*S. singularicornis* **sp. n.** Darjeeling p. 477, Pic

Bull. Mus. Paris **1924**.—*S. diversipennis*, Colombia, *ananeoides*, *obconicicollis*, *samarensis* p. 2, *prolongata* p. 3 Philippines **spp. n.**, PIC Échange **39** 1924 hors-texte.—*S. brunneitarsis*, *obconicus* p. 41, *longesuturalis* p. 15, **spp. n.** Philippines, PIC Échange [40] **41** hors-texte.—*S. brunneitarsis* p. 1, *obconica*, *longelateralis* p. 2, **spp. n.** Philippines, PIC Mél. Exot. Ent. **43**.

Stenothemus volaticus p. 265, *piligerus* p. 266, **spp. n.** India, CHAMPION Ent. Mo. Mag. **61**.

Tylocerus flavonotatus **sp. n.** Borneo p. 182, PIC Bull. Mus. Paris **1925**.—*T. palawanus* **sp. n.** Palawan p. 14, PIC Échange [40] **41** hors-texte; also p. 1 Mel. Exot. Ent. **43**.

LYCIDAE.

List of Lycidae of Indo-China, PIC Faune ent. Indochine fasc. **6** 1923 pp. 7–24.

Adoceta alluaudi **sp. n.** N. Africa p. 55, PEYERIMHOFF Bull. Soc. ent. Fr. **1925**. —*A. feai*, *prescutellaris* **spp. n.** Fernando Po p. 162, PIC Ann. Mus. Gen. **51** 1924. —*A. jeanneli*, *alluaudi*, *suturalis* p. 186, *atricollis* p. 187, **spp. n.** Kenya, PIC Bull. Mus. Paris **1925**.

Bulenides atropunctatus **sp. n.** Palawan I. p. 36, PIC Bull. Soc. ent. Fr. **1925**. —*B. basilanus* **sp. n.** Basilan p. 1, PIC Mél. Exot. Ent. **43**.—*B. testaceus* **var. n.** *laosensis* Laos p. 16, PIC Faune ent. Indochine fasc. **6** 1923.—*B. singularithorax*, *medanensis*, *basalis*, *nigromaculatus*, *inhumeralis*, *brevelineatus*, *nigricolor*, *rianganus* Malay Arch. p. 7, *apicalis* (with **var. n.** *scutellaris*) Java p. 19, *vicinus* Sumatra p. 10, **spp. n.**, PIC Échange [40] **41** hors-texte.

Calochromus diversus **sp. n.** Buru I. (Moluccas) p. 31 fig., KLEINE Treubia **7**.—*C. minutus*, *simplicicornis* **spp. n.** Tonkin p. 52, PIC Faune ent. Indochine fasc. **6** 1923.—*C. subparallelus* **sp. n.** Formosa p. 17, PIC Échange [40] **41**.—*C. pallidus*, *basilanus* p. 11, *sumbawanus* *compressicornis*, *bruneiensis*, Malay Arch. *atricollis*, *nigrovittatus* (with **var. n.** *obliteratus*) India, *singaporensis* Singapore **spp. n.** p. 12, PIC Échange [40] **41** hors-texte.

Cautires caroli **sp. n.** Kenya p. 185, PIC Bull. Mus. Paris **1925**.—*C. latior* **sp. n.** Ceylon p. 8, PIC Échange [40] **41** hors-texte.

Cladophorus binaluanus p. 38, *obliteratus* p. 39, **spp. n.** Palawan I., PIC Bull. Soc. ent. Fr. **1925**.—*C. singularicollis* **sp. n.**; *fainanensis* **var. n.** *inlimbatus* Formosa p. 18, PIC Échange [40] **41**.—*C. bidentatus* Luzon, *forticostatus* Sumatra, *rudeplicatus* Sikkim, *atrithorax*, *castetsi* East Indies, *fainanensis* (with **var. n.** *diversicollis*) Formosa p. 8, *sinensis* China, *reverandi* Penang **spp. n.**; *luteus* **var. n.** *fruhstorferi* Java; *lineatus* **var. n.** *atrofoveolatus* Malacca p. 9, PIC Échange [40] **41** hors-texte.—*C. particularithorax* **sp. n.** Kilimandjaro, *coarcticollis* **var. n.** *5-areolatus* Zanzibar p. 185, PIC Bull. Mus. Paris **1925**.—*C. flavipennis* **sp. n.** C. Africa p. 5, PIC Ark. Zool. **17A** no. 5.—*C. maculatipes*, *feai*, *gestroi* *curtinotatus* **spp. n.** Fernando Po p. 163, PIC Ann. Mus. Gen. **51** 1924.

Conderis brevelimbatus p. 18, *minutus*, *tonkineus* p. 19 **spp. n.**; *signicollis* **varr. n.** *innotatus*, *scutellaris*; *sordidus* **var. n.** *vitalisi* p. 18 Indo-China, PIC Faune ent. Indochine fasc. **6** 1923.—*C. notatipennis* **sp. n.** Tonkin p. 13, PIC Échange [40] **41** hors-texte.

Dihammatus antennalis **sp. n.** Palawan I. p. 38, PIC Bull. Soc. ent. Fr. **1925**. —*D. bipartitus*, *particularis* **spp. n.** Sumatra p. 11, PIC Échange [40] **41** hors-texte.

Dilophotellus **gen. n.** p. 134, *tricostatus*, *legitimus* p. 135 **spp. n.** W. Sarawak figs., KLEINE Stettin. ent. Ztg. **85**.

Dilophotes depressicornis **sp. n.** Tonkin p. 53, PIC Faune ent. Indochine fasc. **6** 1923.—*D. vittatus*, *sexualis* **spp. n.** Sumatra; *dilaticornis* **n. n.** for *depressicornis* Pic 1923 (nec 1921) p. 6, PIC Échange [40] **41** hors-texte.

Ditoneces submarginatus **sp. n.** Palawan I. p. 38, PIC Bull. Soc. ent. Fr. **1925**.—*D. drescheri* **sp. n.** Sumatra p. 51 fig., KLEINE Ent. Mitt. **14**.—*D. basilanus* **sp. n.** Basilan p. 1, PIC Mél. Exot. Ent, **43**.—*D. sulcatithorax* China p. 18, *apicicornis* **spp. n.**; *incisicollis* **var. n.** *obconiceps*; *maculatithorax* **var. n.** *sauteri* Formosa p. 19, PIC Échange [40] **41**.—*D. suturalis* **sp. n.** Sumatra p. 10, PIC Échange [40] **41** hors-texte.—*D. pallidicolor* Cambodia p. 15, *donckieri* p. 53, *phungi* p. 58 Tonkin, **spp. n.**, PIC Faune ent. Indochine fasc. **6** 1923.

Duliticola **gen. n.** p. 13, *paradoxa* **sp. n.** Sarawak p. 134, taxonomy, biology etc. pp. 119–158 fig., MJÖBERG Psyche **32**.

Fernandum **gen. n.** *minutum* **sp. n.** Fernando Po p. 161, Pic Ann. Mus. Gen. **51** 1925.

Flabellodilophotes carinatus **sp. n.** Sumatra p. 7, Pic Échange [**40**] **41** hors-texte.

Hylobanus palawanus **var. n.** *breveapicalis* Palawan Is. p. 39, Pic Bull. Soc. ent. Fr. **1925.**

Idiopteron reductum **sp. n.** Colombia p. 13, Pic Échange [**40**] **41** hors-texte.

Leptotrichalus **gen. n.** for *Metriorrhynchus cyaniventris* Kirsch p. 296, key p. 298, *conciliatus* Java p. 299, *acclinus* S. Celebes p. 300, *celsus, cereus* Philippines, *adversarius* Sumatra p. 301, *dubitabilis, acidus, acutus* p. 302, *acerbus* p. 303, *accuratus* Philippines, *accomodatus* S. Celebes p. 304, *completus* Java, *adolescens* p. 305, *effeminatus* Philippines, *concinnus* Java p. 306, *circumscriptus, cicatricosus, adjunctus* p. 307, *admirabilis* p. 308, *femoralis* p. 309 Philippines, **spp. n.**, Kleine Phil. J. Sci. **28.**

Libnetisia atronotana **sp. n.** Tonkin p. 13, Pic Faune ent. Indochine fasc. **6** 1923.—*L. basalis* **sp. n.** Banguey I. p. 17, Pic Échange [**40**] **41.**—*L. corporaali, apicalis* **spp. n.** Sumatra p. 11, Pic Échange [**40**] **41** hors-texte.

Libnetomorphus gigas Luzon p. 6, *javanicus* Java p. 11, **spp. n.**, Pic Échange [**40**] **41** hors-texte.

Lycostomus thoracicus **var. n.** *tonkineus* Tonkin, *anceyi* **sp. n.** Saigon p. 12, Pic Faune ent. Indochine fasc. **6** 1923.

Lycus (*Lopholycus*) *brevenotatus* p. 2, (*Merolycus*) *singularithorax*, (*Haplolycus*) *inapicalis* p. 4, **spp.n.** C. Africa fig., Pic Ark. Zool. **17A** no. 5.—*L. excavatus* Port. Guinea p. 162, *ruspolii* E. Africa p. 163, **spp. n.**, Pic Ann. Mus. Gen. **51** 1924.—*L. linnei* **n. n.** for *latissimus* auctt. nec L.; *ensellatus* **n. n.** for *excavatus* Pic, p. 96, Pic Bull. Soc. ent. Fr. **1925.**—*L. rufiventris* p. 184, *jeanneli* **spp. n.**; *imbellis* **var. n.** *breveapicalis* p. 185; *modestus* **var. n.** *reducteapicalis*; *flammeatus* **varr. n.** *moloensis, discoluteus* p. 184 E. Africa, Pic Bull. Mus. Paris **1925.**

Lyponia debilis **var. n.** *vitalisi* Tonkin; *ochraceicollis* **sp. n.** Laos p. 13, Pic Faune ent. Indochine fasc. **6** 1923.

Macrolycus key p. 326, *dominator* Formosa p. 327, *dotatus* Tonkin p. 328, **spp. n.** figs., Kleine D. ent. Zs. **1925.**—*M. testaceicollis* (with **var. n.** *differens*), *gracilis* **spp. n.** Indo-China p. 10, Pic Faune ent. Indochine fasc. **6** 1923.

Mesolycus vitalisi **sp. n.** Tonkin p. 11, Pic Faune ent. Indochine fasc. **6** 1923.

Metanaeus inapicalis Tonkin p. 8, *dohertyi* Palawan, *piceicollis, corporaali* Sumatra p. 9 **spp. n.**; *miniatipennis* **var. n.** *purpureonotatus* no locality p. 8, Pic Échange [**40**] **41** hors-texte.

Metriorrhynchus reductus **n. n.** for *breveapicalis* Pic Contr. Et. Lyc. 1923 p. 39, nec Pic Mél. **38** 1923 p. 3, *compressicornis* **n. n.** for *impressicornis* Pic 1916 nec 1913, p. 96, Pic Bull. Soc. ent. Fr. **1925.**—*M. elongaticollis* **sp. n.** Mindanao p. 9, Pic Échange [40] **41** hors-texte.—*M. cyaniventris* see *Leptotrichalus.*

Mimolycinella **subgen. n.** see *Plateros.*

Odontocerus martini **sp. n.** Buru p. 18, Pic Échange [40] **41.**—*O. notatithorax, atricolor* p. 20, *vitalisi, atronotatus* p. 21, **spp. n.** Tonkin, Pic Faune ent. Indochine fasc. **6** 1923.

Parataphes **gen. n.** p. 133, *dohertyi* **sp. n.** Burma p. 134 fig., Kleine Stettin. ent. Ztg. **85.**

Phaenolis olivieri, atripennis, basalis **spp. n.** S. America p. 4, Pic Échange **39** 1924 hors-texte.

Planeteros bicoloripes Fernando Po, *bayoni* Uganda, **spp. n.** p. 162, Pic Ann. Mus. Gen. **51** 1924.—*P. atricornis* **sp. n.** Kenya p. 186, Pic Bull. Mus. Paris **1925.**

Platerodrilus dilataticornis p. 1, *rufus* p. 2, **spp. n.** Malay Arch., Pic Échange **39** 1924 hors-texte.

Plateros robustithorax p. 14, *chapaensis* p. 15, *elongatissimus* p. 53, **spp. n.** Tonkin, Pic Faune ent. Indochine fasc. **6** 1923.—*P. luzonicus* Luzon p. 6, *binhanus* Tonkin p. 10, **spp. n.**, Pic Échange [**40**] **41** hors-texte.—*P. bilineatithorax* Cuba, *goyasensis, angustior*, (*Mimolycinella* **subgen. n.**) *basicornis* S. America, **spp. n.** p. 18, Pic Échange [40] **41.**

Procautires **gen. n.** *toxopei* **sp. n.** Buru I. (Moluccas) p. 32 fig., Kleine Treubia **7.**

Prometanoeus **gen. n.** *ochraceus* **sp. n.** Ceylon p. 133 figs., KLEINE Stettin. ent. Ztg. **85.**

Pseudosynchonus obliteratus, corporaali **spp. n.** Sumatra p. 6, PIC Échange [40] **41** hors-texte.

Pyropterus incisus **sp. n.** Java p. 6, PIC t.c.

Stadenus bifoveolatus **sp. n.** Principe I. p. 161, PIC Ann. Mus. Gen. **51** 1924.

Taphes tonkineus **sp. n.** Tonkin p. 16, PIC Faune ent. Indochine fasc. **6** 1923.

Trichalus fraterculus **sp. n.** Buru I. (Moluccas) p. 36, KLEINE Treubia **7.**—*T. chapaensis* **sp. n., var. n.** *diversicollis* Tonkin p. 58, PIC Faune ent. Indochine fasc. **6** 1923.—*T. longecostatus* p. 7, *pubithorax* p. 8, *compressipes* (with **var. n.** *basilanus*), *subater, angustatus, mindorosus, tolianus* p. 10, **spp. n.** Malay Arch., PIC Échange [40] **41** hors-texte.

Xylobanus feai **sp. n.** Port. Guinea p. 164, PIC Ann. Mus. Gen. **51** 1924.—*X. kisibanus* **var. n.** *diversithorax* Uganda p. 5, PIC Ark. Zool. **17A** no. 5.—*X. diversepunctatus, irregularis, vitalisi, nigropunctatus* (with **var. n.** *diversicollis*) **spp. n.** Tonkin p. 23, PIC Faune ent. Indochine fasc. **6** 1923.—*X. latefoveolatus* p. 5, *tenggerensis, notaticollis* Malay Arch., *binhanus* Tonkin p. 10, **spp. n.**, PIC Échange [40] **41** hors-texte.

RHAGOPHTHALMIDAE.

List of Rhagophthalmidae of Indo-China, PIC Faune ent. Indochine fasc. **6** 1923 p. 29.

Rhagophthalmus longipennis **sp. n.** China p. 17, PIC Échange [40] **41.**—*R. sulcatus* **sp. n.** Darjeeling p. 72, PIC Bull. Mus. Paris **1925.**

LAMPYRIDAE.

List of Lampyridae of Indo-China, PIC Faune ent. Indochine fasc. **6** 1923 pp. 24–29.

Luminosity of Lampyrid larvae, RÖHER Intern. ent. Zs. **19** pp. 150–151.

Observations on a firefly, YANAGIHARA Insect World **27** 1923 pp. 368–370 1 pl.

Amydetes suturalis, brasiliensis **spp. n.** Brazil p. 15, PIC Échange [40] **41** hors-texte.

Bicellonycha limbata **sp. n.** Costa Rica p. 3, PIC Échange **39** 1924 hors-texte.

Calyptocephalus superbus, maculatus, flavonotatus **spp. n.** S. America p. 3, PIC Échange **39** 1924 hors-texte.

Diaphanes harmandi **sp. n.** Darjeeling p. 73, PIC Bull. Mus. Paris **1925.**

Flabellotreta ruficeps **var. n.** *subelongata* Sumatra p. 28, PIC Échange **39** 1924.—*F. inhumeralis* **sp. n.** Borneo p. 182, PIC Bull. Mus. Paris **1925.**

Lamellipalpus sallei **sp. n.** Central Asia p. 475, PIC Bull. Mus. Paris **1924.**

Luciola atriventris **sp. n.**; *gemina* **var. n.** *juncta* C. Africa p. 6, PIC Ark. Zool. **17A** no. 5.—*L. brahmina* **var. n.** *vitalisi* p. 27, *chapaensis, limbatipennis* p. 59, **spp. n.** Tonkin, PIC Faune ent. Indochine fasc. **6** 1923.

Ophoelis notaticollis **sp. n.** Central America p. 4, PIC Échange **39** 1924 hors-texte.

Ototreta atronota **sp. n.** Tonkin p. 54, PIC Faune ent. Indochine fasc. **6** 1923.—*O. minuta* p. 182, *limbata* p. 183, **spp. n.** Borneo, PIC Bull. Mus. Paris **1925.**

Photuris apollinairei **sp. n.** Colombia p. 15, PIC Échange [40] **41** hors-texte.

Psilocladus basalis, testaceus Bogota, *atricornis* Peru, *claveri* Colombia, **spp. n.** p. 15, PIC Échange [40] **41** hors-texte.

Pteropteryx atripennis Laos, *curticolle* Tonkin, **spp. n.** p. 59, PIC Faune ent. Indochine fasc. **6** 1923.

Pyrocoelia atricolor **sp. n.** Laos p. 58, PIC Faune ent. Indochine fasc. **6** 1923.—*P. hickeri* **sp. n.** no locality p. 11, PIC Échange [40] **41.**

Pyrogaster hecticus **var. n.** *atriventris* Costa Rica p. 89, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Stenocladus bourgeoisi **var. n.** *testaceipes* India p. 475, PIC Bull. Mus. Paris **1924.**

Vesta vitalisi **sp. n.** Laos p. 59, PIC Faune ent. Indochine fasc. **6** 1923.

DRILIDAE.

List of Drilidae of Indo-China, PIC Faune ent. Indochine fasc. **6** 1923 p. 30.

Bicladodrilus laticollis **sp. n.** Tonkin p. 62, PIC t.c.

Curtodrilus bicolor, longior **spp. n.** Palawan p. 12, PIC Échange [40] **41** hors-texte.

Gorhamia depressithorax **sp. n.** Tonkin p. 54, PIC Faune ent. Indochine fasc. **6** 1923.

Malacogaster bassii **var. n.** *ruficollis* Cyrenaica p. 7, DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.

Stenocladius notaticeps **sp. n.** Annam p. 62, PIC Faune ent. Indochine fasc. **6** 1923.

EUCNEMIDAE (MELASIDAE).

List of Melasidae of Indo-China with keys, FLEUTIAUX Faune ent. Indochine fasc. **7** 1924 pp. 7–30.

Synonymic studies on Melasidae 2nd note, MÉQUIGNON Bull. Soc. ent. Fr. **1925** pp. 187–188, 240.

Arhagus **subgen. n.** see *Dirhagus.*

Arhipis rugosa **sp. n.** Belgian Congo p. 66, FLEUTIAUX Rev. zool. afr. **13.**

Bothrion praeustum **sp. n.** Philippines p. 277, FLEUTIAUX Phil. J. Sci. **28.**

Cussolenpis robustus p. 60, *attenuatus* p. 61, **spp. n.** Belgian Congo, FLEUTIAUX Rev. zool. afr. **13.**

Dichodirhagus **subgen. n.** see *Dirhagus.*

Dirhagus congoensis, dubius **spp. n.** Congo p. 67, FLEUTIAUX Rev. zool. afr. **13.**—*D.* (*Arhagus* **subgen. n.**) amended to *Dichodirhagus* **n. n.** p. 240, *attenuatus* Mäkl. p. 187, MÉQUIGNON Bull. Soc. ent. Fr. **1925.**—*D.* (*Arhagus*) *savioi* **sp. n.** E. China p. 177, FLEUTIAUX Bull. Soc. ent. Fr. **1925.**—*D. holosericatus* Fiji p. 251, *elongatus* Kamerun p. 315, **spp. n.**, FLEUTIAUX Bull. Mus. Paris **1925.**

Dromaeolus fairmairei Fiji p. 248, *granulatus* Dahomey, *luctuosus* Kamerun p. 313, **spp. n.**, FLEUTIAUX Bull. Mus. Paris **1925.**

Entomophthalmus africanus **sp. n.** Kamerun p. 315, FLEUTIAUX t.c.

Fornax rugicollis **sp. n.** Arkansas p. 181, FALL Bull. Brooklyn Ent. Soc. **20.**—*F. loangoensis* **sp. n.** Belgian Congo p. 64, FLEUTIAUX Rev. zool. afr. **13.**—*F. prosternalis* Yunnan p. 178, *nitidus* p. 248, *uniformis, oceanicus* p. 249, *vitiensis* p. 250, *serraticornis* p. 251 Fiji, *luteus* Kamerun p. 314, **spp. n.**, FLEUTIAUX Bull. Mus. Paris **1925.**

Gastraulacus key, *nevermanni* **sp. n.** Costa Rica p. 63, BARBER Proc. Ent. Soc. Wash. **27.**

Phyllocerus eburneus **sp. n.** Madagascar p. 178 fig., FLEUTIAUX Bull. Mus. Paris **1925.**

Porraulacus basipennis **sp. n.** Fiji, Samoa p. 250, FLEUTIAUX t.c.

Sarfus **gen. n.** *spinosus* **sp. n.** Congo p. 66, FLEUTIAUX Rev. zool. afr. **13.**

Sassanus **gen. n.** *colmanti* p. 62, *secundus* p. 63, **spp. n.** Belgian Congo, FLEUTIAUX t.c.

Scython infulcatus **sp. n.** Philippines p. 277, FLEUTIAUX Phil. J. Sci. **28.**

Simianus inapicalis **sp. n.** Tibet p. 4; *pyrochroides* **varr. n.** *lateniger, reductus, diversicornis* Sumatra p. 5, PIC Mél. Exot. Ent. **43.**

Temnillus key, *mexicanus* **sp. n.** Mexico p. 64, BARBER Proc. Ent. Soc. Wash. **27.**

†*Throscus* (?) *peritulus* **sp. n.** Siberia p. 7 fig., COCKERELL Proc. U.S. Nat. Mus. **68** art. 5.

ELATERIDAE.

Biological differences in various harmful Elaterid larvae, BLUNCK, Nachrichtenbl. deutschen Pflanz. **5** pp. 37–39 fig.

Notes on Elaterids of Morocco, BUYSSON Bull. Soc. Sci. nat. Maroc **4** 1924 pp. 206–210.

Revision of Australian Elateridae, with key to genera of Agrypnides, ELSTON Trans. R. Soc. S. Australia **48** 1924 pp. 196–208.

List of Elateridae of Indo-China, FLEUTIAUX Faune ent. Indochine fasc. **7** 1924 pp. 31–184.

List of Elateridae of the World, SCHENKLING Coleopterorum Catalogus **80** pp. 1–263.

Adelocera notes pp. 205–207, FLEUTIAUX Bull. Soc. ent. Fr. **1925.**

Agriotes (*Ectinus*) *gratiosus* p. 278, (*E.*) *melanurus, concolor* p. 280, **spp. n.** Tonkin, FLEUTIAUX t.c.

Athous rambouseki **sp. n.** Czechoslovakia p. 61, ROUBAL Bull. Soc. ent. Fr. **1925.**

Bruyantius **gen. n.** p. 101, *capensis* **sp. n.** Cape Colony p. 102, FLEUTIAUX Bull. Soc. ent. Fr. **1925.**

Buffeventius **gen. n.** p. 102, *lividus* **sp. n.** Mozambique p. 103, FLEUTIAUX t.c.

Cardiophorus antoinei, circumpictus **spp. n.** Morocco p. 227, BUYSSON Bull. Soc. Sci. nat. Maroc **4** 1924.—†*C. exhumatus* **sp. n.** Green River Eocene, Colorado p. 9 fig., COCKERELL Proc. U.S. Nat. Mus. **66** art. 19.—*C. coomani* **sp. n.** Tonkin p. 185, FLEUTIAUX Bull. Soc. ent. Fr. **1925.**

Coptastethus williamsi **sp. n.** Galapagos Is. p. 227 fig., MUTCHLER Zoologica **5.**

Elater rufipennis a distinct sp. p. 124 figs., DONISTHORPE Ent. Rec. **37.**

Heteroderes vinsoni **sp. n.** Mauritius p. 440, FLEUTIAUX Ann. Soc. ent. Fr. **94.**

Hypnoidus mechanicus **sp. n.** Tonkin p. 184, FLEUTIAUX Bull. Soc. ent. Fr. **1925.**

Ischiodontus granosus **sp. n.** Florida p. 180, FALL Bull. Brooklyn Ent. Soc. **20.**

Lacon assus Cand. (=*gayndahensis* Macl.) p. 198, *marmoratus* Cand. (=*squalescens* Blackb.), *duplex* Blackb. (=*bimaculatus* Schwarz) p. 199, *carinulatus* Cand. (=*adelaidae* Blackb.) p. 201, *perplexus, impressicollis* p. 202, *validus, productus* p. 203, *orthoderus, scopulosus* p. 204, *adustus, submarmoratus* p. 205, *applanatus, conspiciendus* p. 206, *commutabilis* p. 207, *arbitrarius, bigener* p. 208, **spp. n.** Australia, ELSTON Trans. R. Soc. S. Australia **48** 1924.—*L.*, notes pp. 205–207, FLEUTIAUX Bull. Soc. ent. Fr. **1925.**

Monocrepidius fuscosus **sp. n.** Florida p. 163, BLATCHLEY Can. Ent. **57.**—*M. exsul* prothetelous larva pp. 211–212 fig., WILLIAMS Proc. Hawaiian Ent. Soc. **6.**

BUPRESTIDAE.

Synonymy and notes on Australian Buprestidae, CARTER Proc. Linn. Soc. N.S.W. **49** 1924 pp. 521–544 13 figs.

Synonymy of Obenberger's Australian spp. of Buprestidae, CARTER op. cit. **50** p. 231.

List of Buprestidae of Oregon, CHAMBERLIN J. New York Ent. Soc. **32** 1924 pp. 186–195 1 pl.

Revision of West Indian Buprestidae with keys, FISHER Proc. U.S. Nat. Mus. **65** art. 9 pp. 1–207.

Wing venation of the Buprestidae, GOOD Ann. Ent. Soc. Amer. **18** pp. 251–271 figs.

Preliminary list of Buprestidae of Cranberry Lake Region, N.Y., MUNDINGER New York State Coll. Forestry Tech. Pubn. **17** 1924 pp. 315–316.

Acmaeodera key p. 29, *subcylindrica* Cuba p. 30, *jamaicensis* Jamaica p. 32 **spp. n.**; *confusa* **n. n.** for *cubaecola* Kerr. nec Duv. & *pulcherrima* Fall nec Duv. p. 41; *wickhami* Bahamas p. 44, *gundlachi* Porto Rico p. 45, **spp. n.**, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*A. bruchi* Argentine p. 93, *philippinensis* Philippines, *beharensis* India, *pinguicula* p. 94, *howa* Madagascar, *insolita* Cape of Good Hope, *boviei* p. 95 (with **var. n.** *simiola*) Belgian Congo, *angolae* Angola, *glabella* Transvaal p. 96, *braunsi* Cape Colony, *longicrinis, holubi* p. 97, *nickerli, dewetti* Transvaal, *glabra* no locality, *ferrandii* Bardera p. 98, *keniae* Kenya Colony, *prasina* Transvaal, *costulifera* Belgian Congo p. 99, **spp. n.**, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.—*A. quadrizonata* **ab. n.** *corcyrea* Corfu, *brevipes* **ab. n.** *distigma* Asia Minor p. 48, *pici* **sp. n.** Arabia p. 49, OBENBERGER Časopis **21** 1924.

Actenodes key p. 84, *auronata* **var. n.** *jamaicensis* Jamaica p. 90, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*A. manni* **sp. n.** Bolivia p. 8, FISHER op. cit. **66** art. 31.

Agrilus subauratus **ab. n.** *fridolini* Leningrad p. 65, BAROVSKIJ Rev. russe Ent. **19.**—*A. hexastigmus* Laos, *coomani* p. 112, *geraudi* p. 130, *tetrastichus, caligans* Tonkin, *dorri* Cochin-China, *bonnottei, blairi, blatteiceps* Laos p. 131, **spp. n.**, BOURGOIN Bull. Soc. ent. Fr. **1925.**—*A. macleayi* **sp. n.** Queensland p. 535, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.—*A. transimpressus* **sp. n.** Arkansas p. 181, FALL Bull. Brooklyn Ent. Soc. **20.**—*A. boliviensis* p. 12, *cavinas* p. 13, *takana* p. 15, *tumupasaensis* p. 17, *gorai* p. 19, *beniensis* p. 21, *manni* p. 23, **spp. n.** Bolivia, FISHER Proc. U.S. Nat. Mus.

66 art. 31.—*A. cockerelli* p. 4, *prinadai* p. 6, **spp. n.** Vladivostok, FISHER op. cit. **68** art. 7.—*A. bokori* p. 93, *csikii*, *mjöbergi* p. 94, *obenbergeri* p. 95, **spp. n.** Borneo, v. GEBHARDT Ent. Bl. **21.**—*A. olentangyi* **sp. n.** Ohio p. 469, CHAMPLAIN & KNULL Ann. Ent. Soc. Amer. **18.**—*A. viridis*, *chrysoderes*, galls and care of offspring pp. 105–110, KOLBE Zs. wiss. Insektenbiol. **20.**—*A. roberti* **var. n.** *praeclarus* Finland p. 75, KROGERUS Medd. Soc. Fauna et Fl. Fenn. **49.**—*A. fissifrons* **var. n.** *combinator*, *simbirensis* Russia p. 102, *navási* Spain p. 103, **spp. n.**, OBENBERGER Časopis **21.**—*A. mulleri* **sp. n.** New Guinea p. 163, THÉRY Ent. Mitt. **14.**

Anthaxia bifoveata **sp. n.** Cuba p. 168, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*A.*, key, *zoufali* **sp. n.** Majorca p. 101, OBENBERGER Časopis **21.**—*A. dauensis* Abyssinia, *javanica* Java, *borneicola* Borneo p. 106, *borealis* Pennsylvania p. 107, **spp. n.**, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.—*A. morgani* **sp. n.** *hirticollis* **varr. n.** *persica* p. 175, *seminigra* p. 176 Persia, THÉRY Bull. Mus. Paris **1925.**

Aphanisticus blackburni **sp. n.** Australia p. 536, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Aprosopus fouqueti **sp. n.** Cochin-China p. 111, BOURGOIN Bull. Soc. ent. Fr. **1925.**

Archaeozodes strandi see *Stigmodera versicolor.*

Astraeus intricatus **sp. n.** N.S.W. p. 229 fig., CARTER Proc. Linn. Soc. N.S.W. **50.**

Autarchontes lopezi **sp. n.** Bolivia p. 10, FISHER Proc. U. S. Nat. Mus. **66** art. **31.**

Brachys thomae **sp. n.** St. Thomas p. 180, FISHER op. cit. **65** art. 9.—*B. takana* p. 35, *mositana* p. 36, **spp. n.** Bolivia, FISHER op. cit. **66** art. 31.

Bubastes much synonymy, *leai* **sp. n.** Australia p. 528, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Buprestis key p. 144, *cubensis* p. 157, *decipiens* p. 158, **spp. n.** Cuba, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*B. rustica* longevity p. 183, WALKER Ent. Mo. Mag., London **61** 1925.

Callimicra štichai **sp. n.** Brazil p. 112, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.—*C. acuminata* p. 41, *festiva* p. 42, *cyanoptera* p. 43, *viridifrons* p. 45, **spp. n.** Bolivia, FISHER Proc. U.S. Nat. Mus. **66** art. 31.

Castalia scintillans **sp. n.** Australia p. 523 fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Castelnaudia see *Castelnaudina.*

Castelnaudina **n. n.** for *Castelnaudia* Obenb. (Buprestidae nec Carabidae) p. 17, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Catoxantha eburnea **var. n.** *albiventris* Andamans p. 100, OBENBERGER op. cit. **2** (16) 1924.

Chalcophlocteis **gen. n.** for *Phlocteis dives* Péringuey p. 27 figs., OBENBERGER op. cit. **2** (12) 1924.

Chalcophora key to Palaearctic p. 50, *zoufali* **sp. n.** Japan p. 49, OBENBERGER Časopis **21** 1924.—*C. morgani* **sp. n.** Persia p. 171, THÉRY Bull. Mus. Paris **1925.**

Chrysobothris revision of Australian p. 225, *caelatus* p. 227, *octomaculata* p. 228, **spp. n.**, CARTER Proc. Linn. Soc. N.S.W. **50.**—*C. lilaceus* p. 190, *juni perinus* p. 192, **spp. n.** Oregon figs., CHAMBERLIN J. New York Ent. Soc. **32** 1924.—*C.* key p. 92, *antillarum* Barbados p. 101, *bella* Grenadines p. 106, *parvofoveata* Haiti p. 116, *wolcotti* Porto Rico p. 119, *hispaniolae* Haiti p. 121, *insulana* p. 125 **spp. n.**, *sexfasciata* **var. n.** *jamaicensis* p. 128 Jamaica, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*C. rogaguaensis* p. 2, *beniensis* p. 4, *cuprifrons* p. 6, **spp. n.** Bolivia, FISHER op. cit. **66** art. 31.—*C. stricklandi* **sp. n.** Kamerun p. 107, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Chrysochroa klapáleki **sp. n.** Borneo p. 100, *chinensis* **var. n.** *nonfriedi* Burma p. 101, OBENBERGER op. cit. **2** (16) 1924. —*C. haasi* Kerremans (=*Semenoviella africana* Obenberger) p. 224, THÉRY Bull. Soc. ent. Fr. **1925.**

Chrysodema maillei see *Lamprocheila.*

Chrysophana placida **ab. n.** *coerulans* California p. 100, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Cisseoides a distinct genus p. 24, OBENBERGER op. cit. **2** (12) 1924.

Colobogaster peruvianus **sp. n.** Peru p. 107, OBENBERGER op. cit. **2** (16) 1924.

Coroebus levasseuri Indo-China p. 111, *fallaciosus*, *vuilletae* Tonkin, *frater* Laos p. 112, **spp. n.**, BOURGOIN Bull. Soc. ent. Fr. **1925.**—*C. mülleri* **sp. n.** New Guinea p. 162; THÉRY Ent. Mitt. **14.**—*C. ugandae* see *Dinocoroebus*.

Curis obscura, *yalgoensis* **spp. n.** p. 530, *fairmairei* **n. n.** for *splendens* Fairm. nec Macl. Australia p. 531, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Cylindromorphoides systematic position p. 40, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Cylindromorphus montanus Assam, *simlaicus* Simla, *africanus* Transvaal p. 110, *togoënsis* Togo, *congolanus* Belgian Congo, *rhodesicus* Rhodesia, *nickerli*, *rivularis* Belgian Congo p. 111, **spp. n.**, OBENBERGER op. cit. **2** (16) 1924.

Cyphogastra horni **sp. n.** New Guinea p. 88, OBENBERGER Nova Guinea **15** 1924.

Diadora pulchra see *Eudiadora*.

Dinocoroebus **gen. n.** for *Coroebus ugandae* Obenb. p. 33 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.—*D. pertusicollis* Fairm. (= *ugandae* Obenb.) p. 227, THÉRY Bull. Soc. ent. Fr. **1925.**

Dyceropygus scutatus Fauv. (= *Montrouzieretta caledonica* Obenb.) p. 225, THÉRY t.c.

Ectinogonia aequatoris **sp. n.** Ecuador p. 104, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Epidelomorphus **gen. n.** p. 65, *borneensis* **sp. n.** Borneo p. 66, THÉRY Bull. Soc. ent. Fr. **1925.**

Euchroaria **gen. n.** p. 29, *coroeboides* **sp. n.** Loango p. 30 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.—*E. subcornutus* Fairm. (= *coroeboides* Obenb.) p. 226, THÉRY Bull. Soc. ent. Fr. **1925.**

Eudiadora **gen. n.** for *Diadora pulchra* Obenb. p. 26 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Eulasiodora **gen. n.** for *Paradora umtalina* Péringuey p. 21 figs., OBENBERGER t.c.

Euplectalecia **gen. n.** for *Halecia pyropus* Kerr. & other spp. p. 10, OBENBERGER t.c.

Euryspilus viridis **sp. n.** Australia p. 529, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Gassneria infernalis Togo, *diffracta* Mozambique, *indigacea* Belgian Congo, *arrowi* Rhodesia, **spp. n.** p. 108, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Halecia pyropus see *Euplectalecia*.

Haplotrinchus coeruleipennis Thoms. (= *Nosotrinchus simondsi* Obenb.) p. 225, THÉRY Bull. Soc. ent. Fr. **1925.** —*H. strandi* see *Rhabdolona*.

Holubia **gen. n.** p. 22, *kheili* **sp. n.** Fr. Congo p. 23 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Hypocisseis not a synonym of *Cisseoides* p. 24, OBENBERGER t.c.

Iridotaenia aeneipennis Annam, *clermonti* Tonkin, **spp. n.** p. 111, BOURGOIN Bull. Soc. ent. Fr. **1925.**—*I. veselýi* **sp. n.** New Guinea p. 101, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Jakovleviola **gen. n.** p. 17, *oresibata* **sp. n.** Natal p. 19 figs., OBENBERGER op. cit. **2** (12) 1924.

Julodis cylindricus **sp. n.** Persia p. 82, THÉRY Bull. Mus. Paris **1925.**

Kisanthobia curta **var. n.** *semipurpurea* Akbes p. 9, PIC Échange [**40**] **41.**

Kolleria **gen. n.** (near *Philoctaenus*) *costata* **sp. n.** Pasoeroean p. 64, THÉRY Bull. Soc. ent. Fr. **1925.**

Lampra kheili **sp. n.** China p 100, OBENBERGER Časopis **21.**—*L. kerremansi* **n. n.** for *cupreosplendens* Kerr. from Formosa (nec China) p. 173, THÉRY Bull. Mus. Paris **1925.**

Lamprocheila **gen. n.** p. 10 type *Chrysodema maillei* Cast. & Gory, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Leiopleura leprosa, *šrogli*, *binäeri* p. 112, *dilatata*, *hanši*, *klapáleki* p. 113, **spp. n.** Brazil, OBENBERGER op. cit.

2 (16) 1924.—*L. gorai* p. 39, *boliviana* p. 40, **spp. n.** Bolivia, FISHER Proc. U.S. Nat. Mus. **66** art. 31.

Lius conicus **var. n.** *nobilis* Brazil, *hoscheki* p. 113, *binderi* (with **var. n.** *nanulus*), *simulator* (with **var. n.** *persimilis*) Costa Rica, *cordieri* p. 114, *bergrothi* Brazil, *dichrous*, *tantillus* Costa Rica p. 115, **spp. n.**, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Maoriella **gen. n.** p. 19, *novae-zelandiae* **sp. n.** New Zealand p. 20 figs., OBENBERGER op. cit. **2** (12) 1924. — *M. eremita* White (= *novae-zelandiae* Obenb.), generic position discussed p. 225, THÉRY Bull. Soc. ent. Fr. **1925.**

Melanophila klapáleki Costa Rica, *gebhardti* Argentina, *corporaali* Sumatra, **spp. n.** p. 105, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Meliboeus achardi Kamerun, *raphelisi* Rhodesia, *sumatranus* p. 109, *bandarensis* Sumatra p. 110, **spp. n.**, OBENBERGER t.c.

Mixochlorus elegans **sp. n.** Dominican Rep. p. 161, FISHER Proc. U. S. Nat. Mus. **65** art. 9.

Montrouzieretta **n. n.** for *Montrouzieria* Obenb. p. 19, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.—*M. caledonica* see *Dyceropygus scutatus*.

Montrouzieria see *Montrouzieretta*.

Neobuprestis albosparsa **sp. n.** Queensland p. 523 fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Neocuris auro-impressa p. 531, *livida*, *sapphira* p. 532, **spp. n.** Australia, CARTER t.c.

Nesotrinchus **gen. n.** p. 12, *simondsi* **sp. n.** Fiji p. 13 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.—*N. simondsi* see *Haplotrinchus coeruleipennis*.

Notobubastes costatus **sp. n.** Australia p. 526 fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Pachyschelus cavinas p. 29, *nudus* p. 31, *nigriventris* p. 32, *beniensis* p. 33, **spp. n.** Bolivia, FISHER Proc. U. S. Nat. Mus. **66** art. 31.

Paracephala vitticeps **sp. n.** Australia p. 535, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Paracinyra **gen. n.** (near *Cinyra*) p. 133, *viridimaculata* **sp. n.** Cuba p. 134, FISHER Proc. U.S. Nat. Mus. **65** art. 9.

Paradora umtalina see *Eulasiodora*.

Paragrilus purpureus p. 25, *opacipennis* p. 26, *holomelas* p. 27, *pulchellus* p. 28, **spp. n.** Bolivia, FISHER Proc. U. S. Nat. Mus. **66** art. 31.

Parakamosia **gen. n.** p. 37, *carinithorax* Fr. Congo, *zoufali* W. Africa, **spp. n.** p. 38 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Paratrachys notes pp. 27-29, OBENBERGER Bull. Soc. ent. Fr. **1925.**

Perucola **gen. n.** (near *Pasiphae*), *picturata* **sp. n.** Peru p. 122, THÉRY Bull. Soc. ent. Fr. **1925.**

Philanthaxia javanica **sp. n.** Java p. 104, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Phlocteis dives see *Chalcophlocteis*.

Poecilonota salixi **sp. n.** California p. 186, CHAMBERLIN Pan-Pacific Ent. **1.**

Polycesta key p. 8, *manni* **sp. n.** Bahamas p. 17, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*P. aruensis* **sp. n.** Aru Is. p. 100, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Promeliboeus **gen. n.** *strandi* **sp. n.** Natal p. 28 figs., OBENBERGER op. cit. **2** (12) 1924.

Pseudagrilus arabicus **sp. n.** Arabia p. 102, OBENBERGER Časopis **21.**

Pseudanilara bicolor p. 524, *occidentalis* p. 525 **spp. n.** Australia, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Pseudocastalia borneensis **sp. n.** Borneo p. 100, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Psilaptera key p. 48. (*Lampetis*) *torquata* **var. n.** *jamaicensis* Jamaica p. 53. (*L.*) *bahamensis* **sp. n.** Bahamas p. 60, FISHER Proc. U.S. Nat. Mus. **65** art. 9.—*P.* (*Lampetis*) *argentata* **var.** *transcaspica* redescribed p. 51, OBENBERGER Časopis **21** 1924.—*P.* (*Lampetis*) *adonis* Brazil, (*L.*) *srdínkoana* Costa Rica p. 101, (*L.*) *kheili*, (*L.*) *kanši*, (*L.*) *kracíki* Brazil p. 102, (*L.*) *paraguayensis* Paraguay, (*L.*) *grandiosa* Brazil, (*L.*) *burmeisteri* Argentina p. 103, (*L.*) *acquisitata* India p. 104, **spp. n.**, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Rhabdolona **gen. n.** for *Haplotrichus strandi* Obenb. p. 14 figs., OBENBERGER op. cit. **2** (12) 1924.

Sambomorpha **gen. n.** p. 24, *catharinae* **sp. n.** Brazil p. 25 figs., OBENBERGER t.c.

Sambus atropurpureus **sp. n.** Philippines p. 45, FISHER Phil. J. Sci. **28.**

Sarawakita **gen. n.** p. 39, *latifrons* **sp. n.** Borneo p. 40 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Schoutedenia **gen. n.** p. 15, *kerremansi* **sp. n.** Cape of Good Hope p. 16 figs., OBENBERGER t.c.—*S.*, scope of genus, *magnifica* Waterh. (= *kerremansi* Obenberger) p. 225, THÉRY Bull. Soc. ent. Fr. **1925.**

Semenoviella **gen. n.** p. 7, *africana* **sp. n.** Kamerun p. 9 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.—*S. africana* see *Chrysochroa haasi.*

Stephansortia **gen. n.** *cyanipennis* **sp. n.** New Guinea p. 124, THÉRY Bull. Soc. ent. Fr. **1925.**

Sternocera hildebrandti **subsp. n.** *elytralis, monacha* **subsp. n.** *parviplagis* Usambara, *orissa* **subsp. n.** *benguellae* Angola p. 93, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924. —*S. hunteri* **ab. n.** *latefasciata* p. 79; *orissa* **subsp. n.** *ovis,* **ab. n.** *brunneipennis* p. 82, **var. n.** *integra; interrupta* **var. n.** *cuprea* p. 83, Africa, THÉRY Bull. Soc. Sci. nat. Maroc, Rabat **4** 1924.

Stigmodera corrections to recent revision p. 521, much synonymy p. 533, *kershawi* p. 522, *theryi* p. 534 **spp. n.** Australia fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.—*S. harrisoni* p. 230, *subversicolor* p. 231, W. Australia **spp. n.**, *versicolor* L. & G. (= *Archaeozodes strandi* Obenb.) fig., CARTER op. cit. **50.**

Strigulia nana **sp. n.** Kamerun p. 107, OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (16) 1924.

Taphrocerus key p. 183, *tenuis* p. 184, *subglaber* p. 185 Trinidad, *elegans* Porto Rico p. 187, *aeneocollis* Trinidad p. 188, *aeneocupreus* Cuba p. 190, **spp. n.**, FISHER Proc. U.S. Nat. Mus. **65** art. 9. —*T. parvus* **sp. n.** Bolivia p. 38, FISHER op. cit. **66** art. 31.—*T. modicus* **n. n.** for *parvus* Fisher nec Obenb. p. 144, FISHER Proc. Ent. Soc. Wash. **27.**—*T.*, revision with keys pp. 45–83, *simillimus* (with **var. n.** *frontalis*), *mrázi, singularis* p. 63 (with **var. n.** *impubis*), *scriptus, haenkei* p. 64, *pressli, zikáni* p. 65 Brazil, *vávrai* Costa Rica, *fisheri* p. 66, *théryi* Brazil, *holíki* p. 67, *reimoseri* Paraguay, *šedýi* p. 68, *paranaënsis* Brazil p. 69, *chevrolati* Mexico p. 71, *nicolayi* Massachusetts, *schildi* p. 72, *capitatus* Costa Rica, *kheili* p. 73, *hanči* **spp. n.**; *volitans* **var. n.** *aethiops* Brazil; *paraguayensis* Paraguay p. 74, *grossus, quadriplagiatus* S. America p. 75, *parvus* Paraguay, *difficilis* Mexico p. 76, *rotundicollis, rambouseki* Argentine p. 77, *wimmeri* Brazil, *šrogli* Mexico, *joukli* p. 78, *bruchi* Argentine, *finitimus* Costa Rica, *nickerli* Brazil p. 79, *acutus, dudai* Argentine, *winteri* p. 80, *preissi, helferi* p. 81 (with **var. n.** *chalceus*) Brazil, *achardi, unicolor* Argentine, *wendleri* p. 82, *sekerai* Costa Rica p. 83, **spp. n.** figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (13) 1924.

Trachys notes on some African pp. 355–364, *confusissima* **sp. n.** Belgian Congo p. 359, OBENBERGER Ann. Soc. ent. Fr. **94.**—*T. subalutacea* notes pp. 401–403 figs., THÉRY Bull. Soc. R. ent. Egypte **1924.**—*T. morgani* **sp. n.** Persia p. 176, THÉRY Bull. Mus. Paris **1925.**

Wendleria **gen. n.** p. 33, *gloriosa* **sp. n.** Fr. Congo p. 34 figs., OBENBERGER Sbornik ent. odd. Narod. Mus. Praze **2** (12) 1924.

Xenagrilus **gen. n.** p. 35, *binderi* **sp. n.** Congo p. 36 figs., OBENBERGER t.c.

Xenomerius **gen. n.** p. 30, *pareumeroides* Uganda p. 31, *clermonti* Fr. Congo p. 32, **spp. n.** figs., OBENBERGER t.c.

PASSALIDAE.

The Passalidae of Brazil, MOREIRA Fauna Brasiliense, Mus. Nac. Rio de Janeiro N.S. no. **1** 52 pp. 36 figs. 4 pls.

LUCANIDAE.

Japanese Lucanidae, SUZUKI Tsuzoku Konchû Zasshi **1** no. 1 1923 pp. 5–16 1 pl. 2 figs.

Aegus cervicornis Borneo p. 163, *ceramensis* Ceram p. 164, **spp. n.**, DIDIER Bull. Soc. ent. Fr. **1925.**—*A. specularis* **subsp. n.** *tonkinensis* Cochin China p. 101;

bürgersi, *augustanus* p. 102, *maeandrinus* p. 103 **spp. n.** New Guinea, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.—*A. kuantungensis* p. 170, *melli* p. 173, **spp. n.** China, NAGEL Ent. Mitt. **14.**

Allotopus key p. 168, *fruhstorferi* **sp. n.** Borneo p. 166, NAGEL t.c.

Ceratognathus bitumulatus p. 232, *ocularis* p. 233, **spp. n.** Australia, key p. 234 figs., CARTER Proc. Linn. Soc. N.S.W. **50.**

Cyclommatus vitalisi ♀ described p. 223, DIDIER Bull. Soc. ent. Fr. **1925.**—*C. elsae* **sp. n.** S. China p. 95, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Elsion **gen. n.** *sepicanum* **sp. n.** New Guinea p. 103, KRIESCHE t.c.

Eurytrachelus prometheus **sp. n.** no locality p. 251 fig., DIDIER Bull. Soc. ent. Fr. **1925.**—*E. titanus* **subspp. n.** *fafner* Tonkin p. 116, *hangul* Siao-Lou p. 117, *sika* Formosa, *fasolt* Korea p. 118, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Figulus andamanus Andamans, *samoanus* Samoa, *politus* Java p. 106, *minor* p. 114, **spp. n.**; *sublaevis* **subsp. n.** *lettouri* p. 113 E. Africa, KRIESCHE t.c.

Gnaphaloryx dain **sp. n.** New Pomerania p. 101, KRIESCHE t.c.

Hemisodorcus moellenkampi ♀ described p. 155, DIDIER Bull. Soc. ent. Fr. **1925.**—*H. dvalin* Andamans, *mellianus* S. China **spp. n.** p. 98, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.—*H. moellenkampi* **sp. n.** S. China p. 402, NAGEL D. ent. Zs. **1924.**

Hexarthrius vitalisi sp. n. Indo-China p. 202 figs., DIDIER Bull. Soc. ent. Fr. **1925.**

Leptinopterus polyodontus **var. n.** *nigra* Amazons p. 401, NAGEL D. ent. Zs. **1924.**

Lucanus vitalisi ♀ described, *angusticornis*, *sericeus* p. 219, *formosus*, *pulchellus* p. 220, *nobilis* p. 221, *speciosus*, *cambodiensis* p. 222, **spp. n.** Indo-China, DIDIER Bull. Soc. ent. Fr. **1925.**

Malietoa **gen. n.** *hindenburgi* **sp. n.** Samoa p. 104, KRIESCHE Arch. Natg. A 8 (1920) 1921.

Metopodontus bison **subspp. n.** *monodon* New Pomerania, *hortensis* Bismarck Arch. p. 440, KRIESCHE D. ent. Zs. **1924.**

Neolucanus perarmatus **sp. n.** Laos, p. 262 figs., DIDIER Bull. Soc. ent. Fr. **1925.**

Nigidius andamanus Andamans p. 105, *gnu*, *intermedius* p. 109, *kolbei*, *lettowvorbecki* p. 110, *stuhlmanni* p. 111 Africa, **spp. n.**, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Odontolabis quadrimaculata **sp. n.** Sumatra p. 92, KRIESCHE t.c.

Paraegus nar **sp. n.** New Guinea p. 124, KRIESCHE t.c.

Prosopocoilus gracilis p. 93, *rusa* Sumatra, *doris* p. 94 Tonkin **spp. n.**, *occipitalis* **subspp. n.** *anoëlla*, *anoa* D. E. Indies, *anoides* Formosa p. 121, KRIESCHE t.c.

Rhaetulus speciosus **var. n.** *boileaui* Laos p. 154, DIDIER Bull. Soc. ent. Fr. **1925.**—*R. minor* **sp. n.** Formosa p. 96, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Sclerognathus bacchus, biology pp. 76–80 fig., RUIZ P. Rev. chil. Hist. nat. **28** 1924.

COPRIDAE.

Corrections and additions to list of Scarabaeidae of Indo-China, BOUCOMONT Faune ent. Indochine fasc. **6** 1923 pp. 115–119.

Caccobius bidentatus **sp. n.** Indo-China p. 115, BOUCOMONT t.c.—*C. amicus* **sp. n.** India p. 230, GILLET Ann. Soc. sci. Brux. **44.**—*C. mutans* in human intestine pp. 201–202 figs., IYENGAR Rept. Proc. 5th Ent. Meet., Pusa **1923** 1924.

Canthon marii **sp. n.** S. America p. 11, BRÈTHES Nunquam Otiosus iv.—*C. columbianus* p. 125, *granulifer* p. 126, *maculatus* p. 127, *curvodilatatus* p. 128, *octodentatus* p. 129, *furvus* p. 130, *securus*, *obscurus* p. 131, *foveiventris* p. 132, **spp. n.**, key p. 133; *7-maculatus* **varr. n.** *maculipennis*, *linearis*, *maculicollis* p. 115, *niger* p. 116; *5-maculatus* **var. n.** *pauper*; *mutabilis* **varr. n.** *transversalis* p. 117, *basalis*, *variomaculatus*, *nigrinus*, *signatus* p. 118; *lituratus* **varr. n.** *bifasciatus*, *solutus* p. 120;

triangularis **var. n.** *caliginosus* p. 122; *sallei* **varr. n.** *triangulatus, gutticollis,* p. 124 Central and S. America, SCHMIDT Arch. Natg. **86** A 9 (1920) 1921.

Chironitis flabellatus **sp. n.** E. Africa p. 90, BOUCOMONT Ann. Mus. Gen. **51** 1923.

Coptodactyla tuberculata New Guinea p. 5, *onitoides* Queensland p. 6, **spp. n.**, GILLET Ark. Zool. **17A** no. 7.

Cyptochirus patrizii **sp. n.** E. Africa p. 93, BOUCOMONT Ann. Mus. Gen. **51** 1923.

Haroldius globosus **sp. n.** Philippines p. 151, BOUCOMONT Bull. Soc. ent. Fr. **1925.**

Heliocopris bucephalus figured p. 404, GHOSH Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Onitis fractipes **sp. n.** E. Africa p. 91, BOUCOMONT Ann. Mus. Gen. **51** 1923.

Onthophagus gaesatus, tiniocelloides p. 152, *surdus* p. 153, **spp. n.** Philippines, BOUCOMONT Bull. Soc. ent. Fr. **1925.**—*O. siamensis* Siam p. 116, *vaulogeri* Laos p. 117, **spp. n.**, BOUCOMONT Faune ent. Indochine fasc. **6** 1923.—*O. viduus* r. *flavopunctatus* further description p. 78, BOUCOMONT Ent. Mitt. **14.** —*O. mjöbergi* **sp. n.** N.W. Australia p. 8, *pugnax* Har. redescribed p. 11, *dicranocerus, capelliformis* Queensland p. 12, **spp. n.**, GILLET Ark. Zool. **17A** no. 7.—*O. violaceotinctus, gangeticus* p. 231, *dichropygus* p. 232, *agnus* p. 233, *sikkimensis* p. 234, *spitiensis* p. 235 **spp. n.** India, *falsus* **n.n.** for *cervus* d'Orbigny nec F., *rugosicollis* **n. n.** for *cribricollis* Lea nec Horn, *abyssinicus* **n. n.** for *brevifrons* d'Orb. nec Horn p. 236, GILLET Ann. Soc. sci. Brux. **44.**—*O. taurus* f. *athenae* **n. n.** for f. *rubripennis* Goidanich p. 23; *lucidus* **subsp. n.** *punctatominiatus* Syria p. 79; *lemur* f. *depolii* **n. n.** for f. *cruciatus* Depoli p. 94, **f.n.** *inquinatus* p. 95; *andalusicus* **f.n.** *italicus* p. 106 Italy figs., GOIDANICH Boll. Soc. ent. ital. **57.**

Panelus dichrous **sp. n.** Queensland p. 4, GILLET Ark. Zool. **17A** no. 7.

Pinotus abnormis, divergens p. 1, *fortepunctatus* p. 2 Ecuador, *fortestriatus* Brazil, *micans* Argentina p. 5, *ohausi* Ecuador p. 6, *problematicus* Fr. Guiana p. 7 (with **var. n.** *planus* Bolivia p. 9) **spp. n.**; *protectus* **var. n.** *tridentatus*; *satanas* **var. n.** *angustus* Ecuador p. 10; *triquetrus* Trinidad p. 11, *tristis* Venezuela p. 12, **spp. n.**, LUEDERWALDT Rev. Mus. Paulista **14** 1924. — *P.*, biology of some Brazilian pp. 365-366, LUEDERWALDT Rev. Mus. Paulista **9** 1914.

Ponerotrogus **gen. n.** p. 583, *annandalei* **sp. n.** India p. 586 figs., SILVESTRI Rec. Ind. Mus. **26** 1924.

Scarabaeus tonckeri **sp. n.** E. Africa p. 87, BOUCOMONT Ann. Mus. Gen. **51** 1923.

APHODIIDAE.

Aphodius dixoni **sp. n.** Victoria p. 6, OKE Vict. Nat. **42.**—*A. corniculatus* Tanganyika p. 135, *illustris* p. 136, *spinatus* p. 138 Kamerun, *medius* Kenya p. 137, *infinitus* Umbugwe p. 139, *comatus* Korea, Japan p. 140, *tragicus* Abyssinia p. 141, **spp. n.**, SCHMIDT Arch. Natg. **86** A 9 (1920) 1921.

Ataenius strigifrons Australia p. 143, *parvispinus* New Guinea p. 144, *canaliculatus* New Pomerania p. 145 **spp. n.** figs., SCHMIDT t.c.

Chiron patrizii **sp. n.** E. Africa p. 99, BOUCOMONT Ann. Mus. Gen. **51** 1923.

Heptaulacus atlantis **sp. n.** Grand Atlas p. 106, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Psammobius implicatus **sp. n.** N.W. Australia p. 3, SCHMIDT Ark. Zool. **17A** no. 18.

Rhyssemus bisigillatus **sp. n.** B.E. Africa p. 371 figs., BÉNARD Bull. Mus. Paris **1924.**

Simogonius minusculus **sp. n.** Tanganyika p. 142, SCHMIDT Arch. Natg. **86** A 9 (1920) 1921.

Sybax distortus **sp. n.** Tanganyika p. 134, SCHMIDT t.c.

HYBOSORIDAE.

Liparochrus synonymy p. 328, *lugubris* p. 328, *crassicollis* p. 329, **spp. n.** New Guinea, ARROW Ann. Mag. N.H. (9) **15.**

Phaeochridius uniformis **sp. n.** Borneo p. 330, ARROW t.c.

GEOTRUPIDAE.

Bolboceras bidentatus **sp. n.** E. Africa p. 99, BOUCOMONT Ann. Mus. Gen. **51** 1923.—*B. bubalus* **sp. n.** W. Australia p. 2, GILLET Ark. Zool. **17A** no. 7.

Geotrupes biological notes, p. 97, SCHJELDERUP-EBBE Ent. Zs. **39**.

Idiostoma porteri **sp. n.** Chile p. 100 fig., RUIZ P. Rev. chil. Hist. nat. **28** 1924.

TROGIDAE.

Trox seymourensis **sp. n.** Galapagos Is. p. 229, MUTCHLER Zoologica **5**.

MELOLONTHIDAE.

Some problems in the biology of Melolonthids, KOZIKOWSKI Polsk. Pismo ent. **4** pp. 3–14.

Notes on Japanese Melolonthidae, II, NIIJIMA & KINOSHITA Res. Bull. Coll. Exptl. Forestry Hokkaido Imp. Univ. **2** 1923 pp. 1–253 figs. (not seen).

Allokotarsa (=*Arraphytarsa* Péring. and *Alogistotarsa* Péring.) *griqua* **sp. n.** Cape Province p. 214 fig., ARROW Ann. Mag. N. H. (9) **16**.

Alogistotarsa see *Allokotarsa*.

Amphimallus assimilis var. *obscurus* biology, morphology, p. 160 fig., GRANDI Boll. Lab. Zool. Portici **18**.

Anoxia matutinalis var. *suturalis* biology, morphology p. 196, fig., GRANDI Boll. Lab. Zool. Portici **18**.—*A. villosa* **var. n.** *anceyi* France p. 1, PIC Échange [40] **41**.

Arraphytarsa see *Allokotarsa*.

Autoserica franklin-mülleri **sp. n.** India p. 56, MOSER in KLEINE, SPAETH and MOSER Ent. Mitt. **14**.

Chasmatopterus zonatus **sp. n.** Morocco p. 435, ESCALERA Bol. R. Soc. esp. Hist. nat. **25**.

Diphycerus cupripennis **sp. n.** Yunnan p. 219, ARROW Ann. Mag. N. H. (9) **16**.

Haplidia etrusca biology, morphology p. 184 fig., GRANDI Boll. Lab. Zool. Portici **18**.

Hoplia coffeae **sp. n.** Kenya p. 220, ARROW Ann. Mag. N. H. (9) **16**.

Hybocamenta pallidicauda **sp. n.** Natal p. 215, ARROW t.c.

Lachnosterna (*Phyllophaga*) *paternoi* **sp. n.** Virginia, N. Carolina p. 293, *gracilis* **var. n.** *angulata* N. Jersey, Virginia p. 294 figs., GLASGOW Can. Ent. **57**.—*L.* (*P.*) life-histories of many spp. pp. 14–81 figs., HAYES Kansas Agric. Expt. Sta. Tech. Bull. **16**.

Lepidiota heurni, *horni* **spp. n.** Dutch New Guinea p. 31, MOSER Nova Guinea **15** 1924.

Lepidoderma albohirtum details of anatomy pp. 244–248 figs., JARVIS Queensland Agric. J. **23**.

Megistophylla dolichocera p. 216, *pentaphylla* p. 217, **spp. n.** Burma, ARROW Ann. Mag. N. H. (9) **16**.

Melolontha deformation of thorax p. 66 figs., AUEL Zs. wiss. Insektenbiol. **20**.—*M.*, respiration p. 644 fig., DU BUISSON Bull. Classe Sci. Acad. R. Belgique **10**.—*M. melolontha*, *hippocastani*, incidence in Germany pp. 1–76, SCHMIDT Arb. Biol. Reichsanst. **14**.

Microserica vittipennis **sp. n.** Sumatra p. 252, MOSER Ent. Mitt. **14**.

Pachydema lucianae **sp. n.** N. Africa p. 24 fig., PEYERIMHOFF Ann. Soc. ent. Fr. **94**.

Philochlaenia maculicollis **sp. n.** Paraguay p. 215, ARROW Ann. Mag. N. H. (9) **16**.

Photyna ornata **sp. n.** Tonkin p. 218, ARROW t.c.

Phyllophaga see *Lachnosterna*.

Polyphylla maroccana **sp. n.** Grand Atlas p. 23, PEYERIMHOFF Ann. Soc. ent. Fr. **94**.

Serica (*Euserica*) *grandiclava* p. 422, *longitarsis* p. 424, *iridescens* p. 427, *lanata* p. 428, **spp. n.** Morocco, ESCALERA Bol. R. Soc. esp. Hist. nat. **25**.

Triodonta robusta p. 210, *leonina*, *alternata* p. 212, *dorsalis* p. 213, **spp. n.** Africa figs., ARROW Ann. Mag. N. H. (9) **16**.

RUTELIDAE.

Comparative study of history of the Rutelinae, HAYES Kansas Agric. Expt. Sta. Tech. Bull. **16** pp. 81–105 figs.

List of Sumatran Rutelidae, OHAUS Ent. Mitt. **14** pp. 176–178.

Adoretus bidenticeps Sudan p. 48, *densepunctatus* Congo p. 49, **spp. n.** fig., BENDERITTER Rev. zool. afr. **13**.

Anomala hygina, *hilaria* p. 173, *kigonserae*, *sulcithorax* p. 174, *chromogastra*, *subvittata* p. 175, *kameruna*, *drusilla* p. 176, *ruginosa* p. 177, *sericanjula*, *viridiflava* p. 178, **spp. n.**, Tropical Africa figs., OHAUS Stettin.

ent. Ztg. **85.**—*A. aenea* egg burster pp. 31–33 figs., RITTERHAUS Zool. Anz. **62.**

Antichira adamsi **var. n.** *limbata* Colombia p. 247, BENDERITTER Bull. Soc. ent. Fr. **1925.**—*A. vittipennis* **sp. n.** E. Ecuador p. 79 fig., OHAUS D. ent. Zs. **1925.**

Bolax palliatus **var. n.** *unicolor* Colombia p. 248, BENDERITTER Bull. Soc. ent. Fr. **1925.**

Callichloris bocki **sp. n.** Bolivia p. 83, OHAUS D. ent. Zs. **1925.**

Chaetadoretus tricolor Madagascar p. 182, *hirticulus* E. Africa p. 183, **spp. n.,** OHAUS Stettin. ent. Ztg. **85.**

Chasmodia puncticeps **sp. n.** Colombia p. 247, BENDERITTER Bull. Soc. ent. Fr. **1925.**—*C. mystacophora* **sp. n.** E. Ecuador p. 80 fig., OHAUS D. ent. Zs. **1925.**

Eremophygus pachyloides **sp. n.** Bolivia p. 76, OHAUS D. ent. Zs. **1925.**

Hymenoplia subcinerascens p. 430, *sericea* p. 432, *riffensis* p. 433, **spp. n.** Morocco, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Lagochile cordata **sp. n.** Colombia p. 248, BENDERITTER Bull. Soc. ent. Fr. **1925.**

Leucothyreus geminatus **sp. n.** Colombia p. 249, BENDERITTER t.c.

Macraspis viridinitens **sp. n.** Colombia p. 247, BENDERITTER t.c.

Metapopillia parva **sp. n.** Belgian Congo p. 48, BENDERITTER Rev. zool. afr. **13.**

Pelidnota impressicollis p. 76, *vitalisi* p. 77, **spp. n.** Brazil fig., OHAUS D. ent. Zs. **1925.**

Phalangogonia dispar **sp. n.** Honduras p. 81, OHAUS t.c.

Phyllopertha horticola egg-burster pp. 31–33 figs., RITTERHAUS Zool. Anz. **62.**

Platycoelia intermedia **sp. n.** E. Ecuador p. 82, OHAUS D. ent. Zs. **1925.**

Popillia scutellata **sp. n.** (with **var. n.** *brunnipes*) Belgian Congo p. 47 fig., BENDERITTER Rev. zool. afr. **13.**—*P. ukambana* p. 179, *usanguana, gerialis* p. 180, *longula* p. 181, *faida* p. 182, **spp. n.** Tropical Africa figs., OHAUS Stettin. ent. Ztg. **85.**—*P. japonica* life-history pp. 357–361, THOMAS J. Econ. Ent. **18.**

Prodoretus granuliceps **sp. n.** Belgian Congo p. 51 fig., BENDERITTER Rev. zool. afr. **13.**

Ptenomela vittatipennis **sp. n.** Colombia p. 247, BENDERITTER Bull. Soc. ent. Fr. **1925.**—*P. epipleurica* **sp. n.** Cayenne p. 79 fig., OHAUS D. ent. Zs. **1925.**

Strigoderma popillioides **sp. n.** Colombia p. 248, BENDERITTER Bull. Soc. ent. Fr. **1925.**

Thyridium metallicum, alutaceum **spp. n.** Colombia p. 246, BENDERITTER t.c.

DYNASTIDAE.

Heteronychus licas life-history, SYMES Rhodesia Agric. J. **22** pp. 83–98 & 207–224 and Minist. Agric. & Lands Bull. **535** figs.

Ligyrodes relictus life-history pp. 106–114 figs., HAYES Kansas Agric. Expt. Sta. Tech. Bull. **16.**

Oryctes sympathetic nervous system of larva pp. 115–127 figs., ORLOFF Bull. Inst. Rech. biol. Perm **3** 1924.—*O. nasicornis* regeneration of fat-body of larva pp. 111–120 fig., LAZARENKO Bull. Inst. Rech. biol. Univ. Perm **2** 1923; regeneration of skin sense organ pp. 129–134 fig., LAZARENKO op. cit. **3** 1924.

Strategus antaeus **f.n.** *houstonensis* Texas p. 182, KNAUS Pan-Pacific Ent. **1.**

CETONIIDAE.

Notes on Cetoniidae from the Congo, BURGEON Rev. zool. afr. **13** pp. [29]–[33] fig.

Carolina lurida **subsp. n.** *polischana* Formosa p. 123, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Cetonia jacobsoni **sp. n.** Sumatra p. 253, MOSER Ent. Mitt. **14.**—*C. floricola* biology p. 21 figs., EIDMANN Zool. Anz. **65.**

Cheirolasia burkei **subspp. n.** *lettow-vorbecki* p. 122, *septentrionalis* p. 123 E. Africa, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Chromoptilia attenuata **sp. n.** Madagascar p. 589, JANSON Ann. Mag. Nat. Hist. (9) **15.**

Coptomia diversa **sp. n.** Madagascar p. 586, JANSON t.c.—*C. bertrandi* p. 132, *sanguinolenta, oblonga* p. 133, *smaragdula* p. 134, **spp. n.** Madagascar, D'OLSOUFIEFF Bull. Soc. ent. Fr. **1925.**

Cotinis nitida behaviour of larvae pp. 31–34, HINTZE Ann. Ent. Soc. Amer. **18.**

Euchroea benezechi **sp. n.** Madagascar, p. 311, DESCARPENTRIES Bull. Mus. Hist. nat. Paris **1925.**

Euglypta bakeri **sp. n.** Philippines p. 69, MOSER Phil. J. Sci. **27.**

Euphoria fulgida, sepulchralis life-history pp. 116-126 figs., HAYES Kansas Agric. Expt. Sta. Tech. Bull. **16.**

Euselates tonkinensis **subsp. n.** *trivittata* p. 123, subsp. *formosana* **ff. n.** *anchoralis, confluens* p. 124 S. China, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Glycyphana rubroscutellaris **varr. n.** *nigroscutellaris, immarginicollis; aethiessida* **var. n.** *immaculata* Philippines p. 69, MOSER Phil. J. Sci. **27.**

Gnorimus nobilis **var. n.** *thoracicus* Balkans p. 96, HANUS Časopis **21** 1924.—*G. baborensis* **varr. n.** *diversus, internenotatus* Algeria p. 14, PIC Échange [40] **41.**

Gymnetis platensis **sp. n.** (with **var. n.** *tandilensis*) S. America p. 12, BRÈTHES Nunquam Otiosus iv **1925.**

Heterosoma favareli p. 120, *lemoulti* p. 121, **spp. n.**, Madagascar, D'OLSOUFIEFF Bull. Soc. ent. Fr. **1925.**

Hypselogenia corrosa **subsp. n.** *nyassica* Tanganyika p. 123, KRIESCHE Arch. Natg. **86** A 8 (1920) 1921.

Liostraca ansata **sp. n.** Madagascar p. 588, JANSON Ann. Mag. N. H. (9) **15.**—*L. humilis* **sp. n.** Madagascar p. 136, D'OLSOUFIEFF Bull. Soc. ent. Fr. **1925.**

Pygora tristis, punctata p. 587, *decorata* p. 588, **spp. n.** Madagascar, JANSON Ann. Mag. N. H. (9) **15.**—*P. tristis* **sp. n.** Madagascar p. 135, D'OLSOUFIEFF Bull. Soc. ent. Fr. **1925.**

TENEBRIONIDAE.

Tenebrionidae of Thrace and Macedonia, ANDRES Mitt. münchn. ent. Ges. **11** 1921 pp. 65–69.

Tenebrionidae of Indo-Malayan region, GEBIEN Phil. J. Sci. **26** pp. 67–94, 423–445, 535–576 ; **27** pp. 131–156, 257–288, 423–452, 539–593 ; **28** pp. 101–128 figs.

Key to Asiatic Diaperinae, GEBIEN Phil. J. Sci. **27** p. 142.

Key to the subfamilies Belopinae, Borinae, Tenebrioninae and Coelometopinae, REITTER Bestimmungstabellen europ. Coleopt. **87** 1920 Tenebrionidae XV. Teil 24 pp.

Acanthocamaria notata **sp. n.** (with **var. n.** *multijuncta*) S. America p. 6, PIC Mél. Exot. Ent. **43.**

Adelium illidgei **sp. n.** Queensland p. 542 fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.—*A. sublaevigatum* **sp. n.** Queensland p. 239, CARTER op. cit. **50.**

Adelostoma crenato-costatum **sp. n.** Portuguese Guinea p. 5 fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Afrasida trirhabdota p. 523, *cultrata* p. 528, *pinguis* p. 529, *prona* p. 530, *lasia, pilodes* p. 531, *chondra* p. 532, **spp. n.** S. Africa, WILKE D. ent. Zs. **1924.**

Akis italica **var. n.** *romana* Rome p. 61, *bacarozzo* divided antenna pp. 75–77 fig., LUIGIONI Atti Pont. Accad. Rom. Nuovi Lincei **74** 1921.

Alcyonotus excisus p. 114, *congoanus* p. 115, **spp. n.** W. Africa, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.—*A. basipes* **sp. n.** Gabun p. 12, PIC Mél. Exot. Ent. **44.**

Alphitobius acutangulus **sp. n.** Senegal p. 59, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.—*A. piceus* **var. n.** *ruficolor* Marseilles p. 11, PIC Échange [40] **41.**

Alphitophagus bifasciatus **ab. n.** *unifasciatus* England p. 115, DONISTHORPE Ent. Rec. **37.**

Amarygmus diversetinctus **sp. n.** Java p. 3, PIC Mél. Exot. Ent. **44.**

Amenophis insularis p. 66, *minor, moseri* p. 67, *atroaenca* p. 68, **spp. n.** W. Africa, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Ammophorus cooksoni **sp. n.** Galapagos Is. p. 80 fig., WATERHOUSE Proc. Zool. Soc. **1877.**

Anaedus camerunus **sp. n.** Kamerun p. 106, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Anethas **n.n.** for *Pseudethas* Fairm. 1898 nec Fairm. 1896, p. 242, JACOBSON Rev. russe Ent. **18** 1924.

Anisocara **gen. n.** p. 101, *gynandromorpha* **sp. n.** Java p. 102 fig., GEBIEN Phil. J. Sci. **28.**

Aphelus **gen. n.** *simplicicollis* p. 78, *rohdei* p. 79, *fissiceps* p. 80, *fraudulentus* p. 81, **spp. n.** W. Africa fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Araeopselaphus **gen. n.** p. 10, *myrmekophilus* **sp. n.** Portuguese Guinea p. 11, GEBIEN t.c.

Argoporis impressa **sp. n.** Natividad I., Cal. p. 330, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

Asida ludovici **var. n.** *minorata* Balearic Is. p. 408, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Asthenochirus subpilosus p. 145, *gibbus* p. 146, **spp. n.** Kamerun, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Atasthalus key p. 423, *rhinoceros* **sp. n.** Tonkin p. 425 fig., GEBIEN Phil. J. Sci. **26.**

Austropeus **gen. n.** *pustulosus* **sp. n.** W. Australia p. 548 fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Basanus longior p. 146, *philippinensis*, *sumatranus* **spp. n.**, *erotyloides* **var. n.** *annamitus* p. 147, *apicalis* p. 148, *pictus* p. 149, *hellus* p. 152, *misellus* p. 153, **spp. n.** Philippines, GEBIEN Phil. J. Sci. **27.**—*B. subapicalis* **n. n.** for *apicalis* Geb. (nec Pic); *javanus* **var. n.** *prolongatus* Banguey I. p. 11, PIC Échange [**40**] **41.**

Basides tonkineus Tonkin, *ruficornis*, China, *bicoloricornis* Andaman Is., *brevicornutus*, *bimaculatus* Sumatra, *diabolicus* New Guinea **spp. n.** ; *bakeri* **var. n.** *subobliteratus* no locality p. 16, PIC t.c.

Belopus (**subgen. n.** *Microcalcar*) *instriatus* **sp. n.** Madagascar p. 8, PIC Mél. Exot. Ent. **44.**

Blaps doderoi **sp. n.** Cyrenaica p. 27, SCHUSTER in DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.

Bolitolaemus **gen. n.** p. 23, *catenulatus* **sp. n.** Fernando Po p. 24, **subsp. n.** *fomiticola* E. Africa p. 25, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Bolitonaeus key p. 438, *dentipes* **sp. n.** Sumatra p. 439 fig., GEBIEN Phil. J. Sci. **26.**

Bolitoxenus key p. 428, *spathifer* Borneo p. 429, *recticornis* Sumatra p. 433, **spp. n.** figs., GEBIEN t.c.

Bradymerus key to Indian spp. p. 537, key to known spp. p. 566, *aeratus* Ceylon p. 543, *celebensis* Celebes p. 546, *difficilis* p. 549, *propinquus* p. 550, *mindanaensis* p. 551 Philippines, *nodicollis* Java p. 552, *batjanensis* Batjan p. 554, *spretus* Sumatra p. 557, *acutangulus* p. 558, *sijthoffi* p. 559, *drescheri* p. 561 Java, *acuticostis* Philippines p. 563 **spp. n.** figs., GEBIEN t.c.

Bryocopia quadraticollis **sp. n.** N.S.W. p. 242, CARTER Proc. Linn. Soc. N.S.W. **50.**

Byallius angustatus **sp. n.** N.S.W. p. 236 fig., *revolutus* Cart. transferred from *Styrus* p. 237, CARTER t.c.

Byrsax key to Asiatic spp. p. 81, *prolifericornis* Borneo p. 85, *ovipennis* p. 87, *singhalus* p. 88, *confrator* p. 93 Ceylon **spp. n.** fig., GEBIEN Phil. J. Sci. **26.**

Callicomus Motch. (= *Emypsara* Pasc.) type *riederi* Fald. p. 243, JACOBSON Rev. russe Ent. **18** 1924.

Camaria sinuatithorax **sp. n.** Guiana p. 6, PIC Mél. Exot. Ent. **43.**

Camarimena multilineata Saïgon, *curticollis* Java, **spp. n.** p. 11, PIC t.c.

Cardiothorax foveatus p. 538, *nasutus* p. 539, **spp. n.** Australia figs., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.—*C. hopsoni* p. 238, *harrisoni* p. 239, **spp. n.** N.S.W. figs., CARTER op. cit. **50.**

Catomus bengasianus **sp. n.** Cyrenaica p. 88, SCHUSTER Boll. Soc. ent. ital. **57.**

Cechenosternum **gen. n.** *nigromaculatum* Portuguese Guinea p. 9, *wasmanni* India p. 10, **spp. n.** fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Ceropria key to Asiatic p. 259, *decolorata* Indo-Malaya p. 265, *amplipennis* p. 267, *medanensis* p. 269 Sumatra, *pyritosa* p. 270, *mindanaica* p. 272 Philippines, **spp. n.**, *induta* **var. n.**

purpurina India p. 277, *caesarea* Malacca p. 278, *subnigra* Amboina p. 281, *mindorensis* Philippines p. 282, *serripes* Tenasserim p. 284, *vidua* Arraia p. 286 **spp. n.** figs., GEBIEN Phil. J. Sci. **27.**—*C. aeneipennis* p. 30, *ruficrus* p. 31, *picta* p. 32, *eumera* p. 33, **spp. n.** W. Africa figs., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Chaetopsia **gen. n.** (near *Dicraeosis*) p. 567, *angusticollis* **sp. n.** Sumatra p. 568, GEBIEN Phil. J. Sci. **26.**

Chariotheca testaceicornis India p. 9, *rufimembris* Malacca, *rufoaenea* Banguey p. 10, **spp. n.**, PIC Mél. Exot. Ent. **43.**—*C. longula* Tonkin, *semicaerulea* Cochinchina, *atricolor* Java p. 4, *palawana* Palawan p. 5 **spp. n.**; *bruneiensis* **var. n.** *violaceicolor*, Borneo ? p. 4, PIC op. cit. **44.**

Chariothes varipennis **sp. n.** Queensland p. 237, *brevis* Cart. transferred from *Menephilus* p. 238, CARTER Proc. Linn. Soc. N.S.W. **50.**

Cleognathus **gen. n.** p. 154, *prosternalis* **sp. n.** Kamerun p. 155 fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Coelocnemis slevini **sp. n.** Cedros Is. p. 337, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

Coelolophus dilataticeps Tonkin p. 11, *rouyeri* Java p. 12, **spp. n.**, PIC Mél. Exot. Ent. **43.**

Coelopleurum **gen. n.** *glabratum* **sp. n.** Fernando Po p. 35, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Crypticus azruensis **sp. n.** Morocco p. 335, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Curismosphena **gen. n.** for all species of *Himatismus* except *mandibularis* and *gentilis* p. 3, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Cyriogeton sparsepunctatum **sp. n.** Tonkin p. 4, PIC Mél. Exot. Ent. **44.**

Cyrtosoma augustalisi **sp. n.** Brazil p. 12, PIC t.c.

Danodema **gen. n.** p. 570, *subcalvum* **sp. n.** S. India p. 571 fig., GEBIEN Phil. J. Sci. **26.**

Dendarus (s. str.) *disparicus* **sp. n.** Majorca p. 183 fig., CLERMONT Bull. Soc. ent. Fr. **1925.**

Derosphaerus granipennis, pusillus p. 71, *interstitialis* p. 72, *oculatus, inaequalis* p. 73, **spp. n.** W. Africa, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Diaclina cameruna, minuta p. 57, *ovalis* p. 58, *brevicollis* p. 59, **spp. n.** W. Africa, GEBIEN t.c.

Diaperis key to Asiatic p. 155, GEBIEN Phil. J. Sci. **27.**

Diastixus andreinii **sp. n.** Tripoli p. 89, SCHUSTER Boll. Soc. ent. ital. **57.**

Dicraeosis granipes **sp. n.** Philippines p. 575, GEBIEN Phil. J. Sci. **26.**

Dysarchus irregularis **sp. n.** Queensland p. 537 fig., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Eccoptostoma **gen. n.** p. 82, *robusta* p. 84, *dentipes, plagiata* p. 85, *anthracina* p. 86, *striata* p. 87, **spp. n.** W. Africa fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Ectomopsis striatus, minor **spp. n.** Brazil p. 11, PIC Mél. Exot. Ent. **44.**

Eleodes revised list of spp. north of Mexico pp. 77–80, *horni* **subsp. n.** *fenyesi* p. 77, *manni* **subsp. n.** *sierra* p. 78 California, BLAISDELL Pan-Pacific Ent. **2.**—*E. adumbrata* San Benito I. p. 332, *discincta* Natividad I. p. 333, *inepta* p. 334, *morbosa* p. 335 Asuncion I., **spp. n.**; *quadricollis* **subsp. n.** *lassenica* California p. 373; *parowana* p. 374 (with **var. n.** *mimica* p. 375), *fuscipilosa* p. 376, *reducta* p. 377, *mazatzalensis* p. 379, *coloradensis* p. 380, *concinna, wenzeli* p. 381, *speculicollis* p. 382 **spp. n.** U.S.A.; *obscura* **subsp. n.** *glabriuscula* p. 383 Texas; *dentipes* **varr. n.** *montana* p. 385, *tularensis* p. 386; *parvicollis* **var. n.** *alticola* p. 387 California; *manni* **var. n.** *dilaticollis* p. 388; *nigrina* **subsp. n.** *difformis* p. 389 Washington State, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**—*E. planipennis* see *Neobaphion.*—*E. snowi* Blais. not a synonym of *lecontei* Horn p. 84, BLAISDELL Ent. News **36.**

Emmallus rufipes **sp. n.** Congo p. 6, PIC Mél. Exot. Ent. **44.**

Emyon duvivieri **sp. n.** Tanganyika p. 123, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Emypsara see *Callicomus.*

Endophloeus flexuosus see *Phloeopsidius.*

Endothina **gen. n.** p. 536, *squamosa* **sp. n.** N.S.W. p. 537, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Enneboeus ruficolor **sp. n.** Brazil p. 85, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Epicalla minuta **sp. n.** Amazons p. 11, PIC Mél. Exot. Ent. **44.**

Epipedodema **gen. n.** p. 54, *depressum* **sp. n.** p. 55 Fernando Po fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Eremobates **gen. n.** p. 120 *crux* **sp. n.** S. Thomé p. 121 figs., GEBIEN t.c.

Eucyrtus purpureofasciatus Borneo, *subunicolor* Cochin-China, *minutissimus* Malacca, **spp. n.** p. 9, PIC Mél. Exot. Ent. **43.**

Eulabis pubescens Lec. (=*crassicornis* Casey), *rufipes* [Esch.] (= *montanus* Casey) p. 83, BLAISDELL Ent. News **36.**

Eupezus medius **sp. n.** W. Africa p. 144, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Falsocalcar **gen. n.**, *bicolor* **sp. n.** Madagascar p. 9, PIC Mél. Exot. Ent. **44.**

Falsomycterus hirsutulus **sp. n.** Colombia p. 12, PIC Échange [**40**] **41.**

Gargilius rectangularis p. 36, *affinis* p. 37, *antilope* p. 38, **spp. n.** W. Africa figs., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Gauromaia bella Basilan, *boucardi* Sumatra, **spp. n.** p. 7, PIC Mél. Exot. Ent. **43.**

Glabrasida exilata Spain p. 153, *timaditensis* p. 324, *azruensis* p. 326, *granipennis* p. 328 (with **var. n.** *punctibasis*), *centralis* p. 330, *alluaudi* p. 331, **spp. n.** Morocco ; *ibicensis* **var. n.** *ovalaris* Balearic Is. p. 409, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Gnathidiinae **subfam. n.** p. 41, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Gnathidium **gen. n.** p. 41, *cephalotes* **sp. n.** W. Africa p. 42 fig., GEBIEN t.c.

Gonocephalum granicolle p. 15, *granosum* p. 17, *gestroi*, *dentitibia* p. 18, *feae* p. 19, **spp. n.** W. Africa fig., GEBIEN t.c.

Gonocnemis strigicollis p. 138, *gravidus* p. 139, *schoutedeni* p. 140, *spoliatus* p. 141, **spp. n.** W. Africa figs., GEBIEN t.c.

Granulasida mater p. 404 (with **var. n.** *cunicularia* p. 406), *immarginata* p. 407, **spp. n.** Balearic Is., ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Heliocaes (*Heliopathes*) *atlasicus* **sp. n.** Central Atlas p. 501, ESCALERA t.c.

Helopinus pilosus **sp. n.** Arabia p. 122, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Helops benitensis **sp. n.** Benito Is. p. 339, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**—*H. magnificus* **sp. n.** Morocco p. 334, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Hemicera annamensis Annam, *auratocollis* Tonkin, *modiglianii* Lugano, **spp. n.** p. 8, PIC Mél. Exot. Ent. **43.**—*H. semiviolacea* **var. n.** *caeruleicollis* India p. 27, PIC Échange **39** 1924.

Himatismus coniger **sp. n.** W. Africa p. 3 fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.—See *Curismosphena.*

Hoplocephala tricornis **sp. n.** Sumatra p. 449 fig., GEBIEN Phil. J. Sci. **27.**

Hoplonyx parumpunctatus p. 125, *latifrons* p. 127, *deflexus* p. 128, *insularis* p. 129, *leonensis* p. 130, *pusillus* p. 131, *pilipes* p. 132, *carbonarius* p. 133, *impressicollis* p. 134, *simplex* p. 135, **spp. n.** W. Africa figs., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Hypophloeus compressicornis, *insularis* p. 43, *frontalis* p. 44 fig., *constrictus* p. 45, *piceus* p. 46, **spp. n.** W. Africa, GEBIEN t.c.

Ischnarthron **gen. n.** p. 47, *longipes* **sp. n.** S. Thomé p. 48 fig., GEBIEN t.c.

Ischnodactylus key p. 424, *immaculatus* p. 426, *colon* p. 428, *gradatus* p. 431, Sumatra, *trigonalis* Sarawak p. 433, *nasutus* Philippines p. 434, *fenestratus* Borneo p. 436, *bimaculatus*, *bakeri* Philippines p. 437, *sexguttatus* p. 438, *bisetiger* Sumatra p. 440, *sumbawicus* Sumbawa p. 443, *unifasciatus* Assam p. 444, *formosanus* p. 445, *bisbifasciatus* Formosa, *pictipennis* p. 446 Perak, **spp. n.** figs., GEBIEN Phil. J. Sci. **27.**

Labidocera **gen. n.** p. 117, *abnormis* **sp. n.** Java p. 119 fig., GEBIEN t.c.

Latorhacius **subgen. n.** see *Rhacius.*

Leichenum carinifrons **sp. n.** Belgian Congo p. 22, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Leiochrodes translucidus **sp. n.** Kamerun p. 41, GEBIEN t.c.

Licinoma illidgei, major p. 540, *splendens, coerulea* p. 541, **spp. n.** Australia figs., CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Lyprochelida flavofasciata **sp. n.** Kamerun p. 103, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Lyprops strangulatus p. 103, *chalceus* p. 104, **spp. n.** W. Africa, GEBIEN t.c.

Machlasida liouvillei p. 313, *theryi* p. 314, *azilalenze* p. 315, *zemenze* p. 316, **spp. n.** Morocco, ESCALERA Bol. R. Soc. Esp. Hist. nat. **25.**

Machleida tuberosa p. 535, *capillosa* p. 536, **spp. n.** Natal, WILKE D. ent. Zs. **1924.**

Machlophila **gen. n.** *vogti* **sp. n.** The Cape p. 536, WILKE t.c.

Macrotrachyscelis **gen. n.** *rufus* **sp. n.** Africa p. 12, PIC Mél. Exot. Ent. **44.**

Melanochrus Woll. (= *Melasmocara* Reitt.) p. 243, JACOBSON Rev. russe Ent. **18** 1924.

Melasmocara see *Melanochrus.*

Menephilus podager p. 89, *oculiger* fig., *carbonatus* p. 91, **spp. n.** W. Africa, GEBIEN Arch. Natg. **86** A 6 (1920) 1921. —*M. brevis* see *Chariothes.*

Menimus key to Asiatic spp. p. 108, *kraepelini* Java p. 110, *blairi* Philippines p. 111, *rugicollis* Ceylon p. 113, *indicus* Madras p. 116, **spp. n.** figs., GEBIEN Phil. J. Sci. **28.**

Mesomorphus pellitus **sp. n.** Portuguese Guinea p. 12, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Metallonotus cupripennis **sp. n.** W. Africa p. 101, GEBIEN t.c.

Micipsa elliptipennis **sp. n.** Cyrenaica p. 25, SCHUSTER Boll. Soc. ent. ital. **57.**—*M. atrimembris* see *Tentyronota.*

Microcalcar **subgen. n.** see *Belopus.*

Microcatomus **gen. n.** p. 7, *longipilis* **sp. n.** p. 8 Zanzibar, PIC Mél. Exot. Ent. **44.**

Microcrypticus **gen. n.** p. 7, *metallicus* **sp. n.** Congo p. 8, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Micrositus disparis p. 377 (with **ab. n.** *inermis*), *punctistriatus* p. 379, **spp. n.** Morocco, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Monomma semiaeneum, bakeri Philippines, *singaporense* Singapore, *distinctipenne*, India, *rufum* Tonkin **spp. n.**; *philippinarum* **var. n.** *sparsepunctatum* Philippines p. 12, hors-texte, PIC Échange **39** 1924.

Morphostenophanes **gen. n.** *aenescens* **sp. n.** (with **varr. n.** *diversus, subparallelus*) Yunnan p. 7, PIC Mél. Exot. Ent. **44.**

Mrazius **gen. n.** (near *Diopethes*) *nodulosus* **sp. n.** Brazil p. 86, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Nanohemicera bifasciata **sp. n.** Java p. 11, PIC Mél. Exot. Ent. **44.**

Necrobioides viridescens **sp. n.** Borneo p. 10, PIC op. cit. **43.**

Neobaphion **gen. n.** for *Eleodes planipennis* Lec. p. 390, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

Nesopatrum **gen. n.** for *Opatrinus josephi* Karsch p. 20, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Nesosphaerotus **gen. n.** p. 115, *aenea* p. 117, *simplicifrons* p. 118 (with **subspp. n.** *major, media, minor*), *striatipennis* p. 119, *egena* p. 120, **spp. n.** W. Africa, GEBIEN t.c.

Nyctozoilus key, *lateralis* **sp. n.** Queensland p. 235 fig., CARTER Proc. Linn. Soc. N.S.W. **50.**

Oncosoma granatum **sp. n.** W. Africa p. 124, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Opatrinus josephi see *Nesopatrum.*

Oyanus collaris **sp. n.** Cochin China p. 7, PIC Mél. Exot. Ent. **43.**

Pachychila (*Pachychilina*) *alluaudi* (with **subsp. n.** *escalerai*) Grand Atlas Mts. p. 9, (s. str.) *cornuta* p. 10, *bergevini* (with **subsp. n.** *theryi*) p. 12 Rabat, *lesnei* Algeria (with **subsp. n.** *montana* Moyen-Atlas) p. 13, **spp. n.** figs., PEYERIMHOFF Ann. Soc. ent. Fr. **94.**—*P. rotunda* p. 372, *jordanai* p. 373, *cursitans* p. 374, *calida* p. 375, **spp. n.** Morocco, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Pachyscelodes lyauteyi **sp. n.** Morocco p. 312, ESCALERA t.c.

Palorus (*Caenocorse*) *depressus, ratzeburgi* notes on p. 85, JANSSON Ent. Tidskr. **46.**

Paradrus **n. n.** for *Pseudhadrus* Klb. nec *Pseudadrus* Fairm. p. 242, JACOBSON Rev. russe Ent. **18** 1924.

Paramarygmus simplex **var. n.** *suturalis, evanidus* p. 148, *stigmaticus* p. 149, *ocularis* p. 150, *curvipes* p. 152, **spp. n.** W. Africa, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Paratenetus testaceicornis, inaequalis p. 5, *laticollis* Brazil, *mexicanus* Mexico, *longicornis* Guadeloupe p. 6, **spp. n.**, PIC Mél. Exot. Ent. **44.**

Pentaphyllus key to Asiatic spp., *basalis* Ceylon p. 121, *bifasciatus* New Guinea p. 123, *mentaweicus* Dutch E. Indies p. 124, *inermis* Java p. 126, *spinipes* Philippines p. 127, **spp. n.** figs., GEBIEN Phil. J. Sci. **28.**

Perichilus purpurinus **sp. n.** Kamerun p. 112, GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Phloeopsidius **gen. n.** for *Endophloeus flexuosus* Solander p. 131, GEBIEN Phil. J. Sci. **27.**

Pimelia bengasiana **sp. n.** Cyrenaica p. 26, SCHUSTER in DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.—*P. cyrenaica* p. 29, *doderoi* p. 30 **spp. n.** Cyrenaica, SCHUSTER Boll. Soc. ent. ital. **57.**—*P. frigida* **sp. n.** Central Atlas p. 498, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Platydema key to Asiatic spp. p. 541, *pilosiventre* **sp. n.** Sumatra p. 550, *waterhousei* **n. n.** for *plagiatum* Waterhouse nec Motschulsky p. 553 (with **var. n.** *dohrni* Sumatra), *perpolitum* Java p. 554, *sumatranum* Sumatra p. 555, **spp. n.**, *monoceros* **n. n.** for *tetraspilotum* Chev. nec Hope p. 556, *ribbei* Celebes p. 558, *furcaticorne* Aru Is. p. 561, *pictipenne* S. India p. 567, *javanicum* Java p. 569, *coeruleum* Formosa p. 570, *chalceum* Java p. 572, **spp. n.**, *detersum* **var. n.** *rubripes* Andamans & Calcutta p. 586, *formosanum* **sp. n.** Formosa p. 588, figs., GEBIEN Phil. J. Sci. **27.**—*P. capucinum* p. 25, *glabratum, bisbimaculatum* p. 26, *amarygmoides* p. 27, *nigronitens* p. 28 (*Pselaphidium* **subgen. n.** p. 29) **spp. n.** W. Africa fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.—*P. semiolivacea* **sp. n.** Tonkin p. 302, PIC Bull. Soc. ent. Fr. **1925.**

Plegacerus **gen. n.** *sensitivus* **sp. n.** Kamerun p. 142 fig., GEBIEN Arch. Natg. **86** A 6 (1920) 1921.

Praogena dissimilis p. 210 fig., *funerea* p. 211, *latipes* p. 212, *angolensis* p. 213, *severini* p. 214, *erubescens* p. 215, *fulminans* p. 216, *eximia* p. 217, *geniculata, räthkei* p. 218, *aurata* p. 219, *cephalotes* p. 220, *viridicuprea* p. 221, *chalcogaster* p. 222, *togonica* p. 223 fig., *pauperula, gestroi* p. 224 **spp. n.** W. Africa, GEBIEN t.c.

Prioscelides insularis **sp. n.** W. Africa p. 97, GEBIEN t.c.

Prioscelis exigua **sp. n.** Fernando Po p. 95 figs., GEBIEN t.c.

Psammodes congoanus **sp. n.** Congo p. 7, GEBIEN t.c.

Pselaphidium **subgen. n.** see *Platydema.*

Pseudanaedus **gen. n.** p. 107, *biangulatus* p. 108, *conradti* p. 109 **spp. n.** Kamerun fig., GEBIEN t.c.

Pseudethas, Fairm. 1898 see *Anethas.*

Pseudeumolpus seriatoporus see *Pseudochrysomela.*

Pseudhadrus see *Paradrus.*

Pseudochrysomela **gen. n.** for *Pseudeumolpus seriatoporus* Fairm. p. 7, PIC Mél. Exot. Ent. **43.**

Pseudomachla salebrosa p. 539, *ledouxi* p. 541, *minuscularia, abstrusa* p. 542, *matebelae, longipilosa* p. 543, *schmidti* p. 544, *scrobiculata* p. 545, *recurva* S. Africa, *methneri* p. 548, *margarita* p. 549 Tanganyika, **spp. n.**, WILKE D. ent. Zs. **1924.**

Pseudonautes curtithorax **sp. n.** Java p. 7, PIC Mél. Exot. Ent. **43.**

Pseudoplanasida africana **sp. n.** Morocco p. 333, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Rehumius 4-notatus **sp. n.** Tonkin p. 11, PIC Mél. Exot. Ent. **44.**

Rhacius rufus, diversipes (*Latorhacius* [*laps. cal. Latorhascius*] **subgen. n.**) *baeri* **spp. n.** S. America p. 8, PIC Mél. Exot. Ent. **44.**

Rhysodina methneri p 322, *holtzi* p. 324, **spp. n.** E. Africa fig., GEBIEN Ent. Mitt. **14.**

Saragus wilsoni **sp. n.** W. Australia p. 234, CARTER Proc. Linn. Soc. N.S.W. **50.**

Satanocalcar **gen. n.**, *cornutus* **sp. n.** Madagascar p. 9, Pic Mél. Exot. Ent. **44.**

Scleron undulatum **sp. n.** Gambia p. 13, Gebien Arch. Natg. **86** A 6 (1920) 1921.

Seirotrana anomala, carbo **spp. n.** Australia p. 240, key, synonymy p. 241, Carter Proc. Linn. Soc. N.S.W. **50.**

Selinus angulatipes **sp. n.** Portuguese Guinea p. 21, Gebien Arch. Natg. **86** A 6 (1920) 1921.

Sepidium subcornutus **sp. n.** Morocco p. 376, Escalera Bol. R. Soc. esp. Hist. nat. **25.**

Simalura distinctithorax **sp. n.** Borneo p. 8, Pic Mél. Exot. Ent. **43.**

Singapura **gen. n.** (near *Zioelas*) p. 325, *quadrihamata* **sp. n.** Singapore p. 326 fig., Gebien Ent. Mitt. **14.**

Sphingocorse **gen. n.** p. 110, *angulicollis* **sp. n.** p. 111 Kamerun fig., Gebien Arch. Natg. **86** A 6 (1920) 1921.

Spiloscapha nigrofasciata Singapore p. 103, *javanicum* Java p. 104, **spp. n.**, Gebien Phil. J. Sci. **28.**

Stenosis ciliaris **sp. n.** Belgian Congo p. 6, Gebien Arch. Natg. **86** A 6 (1920) 1921.

Stibia williamsi San Benito I. p. 328, *hannai* Asuncion I. p. 329, **spp. n.**, Blaisdell Proc. Cal. Acad. Sci. (4) **14.**

Stratodemus **gen. n.** p. 98, *heraldicus* **sp. n.** p. 99 Kamerun fig., Gebien Arch. Natg. **86** A 6 (1920) 1921.

Strongylacanthus **gen. n.** (near *Dicyrtus*) *peruvianus* **sp. n.** Peru p. 13, Brèthes Nunquam Otiosus iv **1925.**

Strongylium favosum p. 156, *foveipenne* p. 157, *recticolle* p. 158, *tridentatum* p. 159, *tarsale, sculptile* p. 160, *ugandicum* p. 161, *feae* p. 162, *semipolitum* p. 163, *coruscum* p. 164, *dilaticorne* p. 165, *submarginatum, candens, kolbei* p. 166, *viridipurpureum* p. 167, *caudigerum* p. 168, *atroaeneum* p. 169, *gabonense, seminigrum* p. 170, *bipartitum* p. 171, *nigriventre, glyptopterum* p. 172, *borchmanni* p. 173, *varicolor* p. 174 (with **varr. n.** *flavum, delicatulum* p. 175, *fascipenne, pictum, nigripenne*), *vitticolle* p. 176, *haematicum* p. 177, *angulicolle* p. 178, *maculare* p. 179, *coxale* p. 180, *melanopus, togoense* p. 181, *flavipenne* p. 182, *tricolor* p. 183, *impressipenne* p. 184, *undulipenne* p. 185, *parumimpressum, parvicorne* p. 186, *stranguilatum, confragosum* p. 187, *flavonotatum* p. 188, *cingulatum* p. 189, *curvipes* p. 190, *robustum* p. 191, *obesum* p. 192, *forticorne* p. 193, *depressicolle* p. 194, *tibiale* p. 195, *rohdei* p. 196, *vagevittatum* p. 197, *longicolle* p. 198 **spp. n.**; *xanthozonum* **var. n.** *flaviventre* p. 174, W. Africa figs., Gebien Arch. Natg. **86** A 6 (1920) 1921.—*S. brevelineatum* **sp. n.** Brazil p. 27, Pic Échange **39** 1924.—*S. sulcaticeps* Annam, *corallipes* Borneo **spp. n.** p. 11, Pic Mél. Exot. Ent. **43.**—*S. mrazi, argentatum, brevemarginatum* **spp. n.** p. 86, *ornatum* **var. n.** *subelongatum* p. 90 Brazil, Pic Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Styrus revolutus see *Byallius.*

Tarpela regularis **sp. n.** Tonkin p. 7, Pic Mél. Exot. Ent. **44.**

Sumbawia **gen. n.** (near *Bradymerus*) *tetrops* **sp. n.** Sumbawa p. 441 figs., Gebien Phil. J. Sci. **26.**

Telabis nevadensis **sp. n.** Nevada p. 372, Blaisdell Proc. Cal. Acad. Sci. (4) **14.**

Temnophthalmus **gen. n.** p. 75, *scalaris* p. 76, *bisbicarinatus, minutus* p. 77 **spp. n.** W. Africa fig., Gebien Arch. Natg. **86** A 6 (1920) 1921.

Tenebrio clypeatus **sp. n.** Africa p. 94, Gebien t.c.—*T. molitor* scent glands pp. 365–369 figs., Lengerken Biol. Zentralbl. **45**; factors affecting development pp. 132–135, Lengerken Verh. D. Zool. Ges. **30**; larval metabolism pp. 58–59, Passerini Atti Acc. Lincei (6) **1.**—*T. cedrorum* **sp. n.** Algeria p. 6, Pic Échange [**40**] **41.**—*T. arundinaceus* Forskål transferred to *Telmatophilus sparganii* Ahr. (Cryptophagidae) p. 242, Jacobson Rev. russe Ent. **18** 1924.

Tentyronota atrimembris Pic transferred from *Micipsa* p. 23, Pic Échange **39** 1924.

Thoseus **gen. n.** p. 9, *rufus* **sp. n.** Tonkin p. 10, Pic Mél. Exot. Ent. **44.**

Uloma collaris p. 50, *pachycera* p. 51, *parva* p. 52, **spp. n.** W. Africa, Gebien Arch. Natg. **86** A 6 (1920) 1921.

Zophosis brevis **sp. n.** W. Africa p. 2, Gebien t.c.

CISTELIDAE (ALLECULIDAE).

Allecula savioi **sp. n.** China p. 302, PIC Bull. Soc. ent. Fr. **1925.**

Atoichus flavipes p. 543, *dimidiatus* p. 544, **spp. n.** Australia, CARTER Proc. Linn. Soc. N.S.W. **49** 1924.

Cacoplesia nickerli **sp. n.** Madagascar p. 88, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Chromomoea eleanora, oculata **spp. n.** Australia p. 243, CARTER Proc. Linn. Soc. N.S.W. **50.**

Cistelampra semialutacea **sp. n.** Madagascar p. 14, PIC Mél. Exot. Ent. **43.**

Cteniopinus sulcatus **sp. n.** Caucasus p. 2, PIC Échange [**40**] **41.**

Cteniopus sulphuripes **var. n.** *notatus* Russia p. 2, PIC t.c.

Falsomophlus **gen. n.** p. 11, *niger* **sp. n.** Himalayas p. 12, PIC t.c.

Hymenalia obscuriceps Athens, *elongata* Cephalonia, **spp. n.** p. 2, PIC t.c.

Hymenorus nigronotatus **sp. n.** Brazil p. 89, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Lobopoda mrazi **sp. n.** Brazil p. 85, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.—*L. triimpressa* **sp. n.** Brazil p. 27, PIC Échange **39** 1924.

Mycetochara linearis **varr. n.** *rufipennis* France, *hirsuta* Caucasus; *ruficornis* Taurus p. 1, *impressa* Algeria p. 2, *abschasica* Caucasus p. 6, **spp. n.,** PIC Échange [**40**] **41.**

Pseudocistela mabirana **sp. n.** Uganda p. 14, PIC Mél. Exot. Ent. **43.**

Synallecula armitagei Zanzibar, *subparallela* Abyssinia, *atriceps* East Africa **spp. n.,** *forticornis* **var. n.** *basicornis* Ivory Coast p. 13, PIC t.c.—*S. cherenensis* Eritrea, *impressicollis* Zanzibar, **spp. n.** p. 32, PIC Échange **39** 1924.—*S. subovata, tibialis, forticornis* **spp. n.** Africa p. 3, PIC Échange [**40**] **41.**

NILIONIDAE.

Classification of the Nilionidae, von IHERING Rev. Mus. Paulista **9** 1914 pp. 281–288.

Nilio key p. 292, *lutzi, coffeatus* p. 289, *bouvieri, paralanatus* p. 290, *varius* p. 291, *gounellei* p. 363, **spp. n.** Brazil, von IHERING t.c.

LAGRIIDAE.

Bothrichara infoveolata **sp. n.** New Guinea p. 63, BORCHMANN Nova Guinea **15** 1924.

Cerogria oriunda **sp. n.** New Guinea p. 61, BORCHMANN t.c.

Gronophora monstrata **sp. n.** New Guinea p. 62, BORCHMANN t.c.

Lagria heurni **sp. n.** New Guinea p. 61, BORCHMANN t.c.

Nemostira limbata **sp. n.** S. Australia p. 64, BORCHMANN t.c.—*N. atrovittata* Tonkin, *inconcinna* Philippines **spp. n.** p. 3, PIC Mél. Exot. Ent. **44.**—*N. cyanipennis* **sp. n.,** *striatipennis* **var. n.** *reductelineata* Madagascar p. 87, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

MONOMMIDAE.

Monomma rufolineatum **sp. n.** Philippines p. 28, PIC Échange **39** 1924.

MELANDRYIDAE.

Conopalpus testaceus **var. n.** *obscuriceps* France p. 11, PIC Échange [**40**] **41.**

Hypulus quercinus **var. n.** *undulatus* France p. 11, PIC t.c.

Marolia variegata **var. n.** *obscurithorax* France p. 1, PIC t.c.

SCRAPTIIDAE.

Scraptia melina (= *nilgiriana* Champ.) p. 110, *plagiata, almorensis* p. 111, *delicata* Kumaon, *cribraria* Philippines p. 112, **spp. n.,** CHAMPION Ent. Mo. Mag. **61.**

PYTHIDAE.

Criticism of Seidlitz's revision of Pythidae, with synonymy, BLAIR Ent. Mo. Mag. **61** pp. 209–219.

Notes on S. African Pythidae with key, BLAIR Ent. Mo. Mag. **61** pp. 151–154.

Key to spp. of Pythidae from Europe and adjoining regions, REITTER Bestimmungstabellen der europ. Coleopt. **91** 12 pp. 1921.

Austrosalpingus **gen. n.** for *Neosalpingus corticalis* Blackb. and *Salpingus hybridus* Er. p. 211, BLAIR Ent. Mo. Mag. **61.**

Chilopeltis Seidl. (= *Platylissodema* Blair), *rouyeri* Pic (= *insculpta* Seidl.) p. 211, BLAIR t.c.

Lissodema key to Japanese p. 212, key to Indian, *nilgiriense, impressicolle* **spp. n.** India p. 213, BLAIR Ent. Mo. Mag. **61.**—*L. kirkae* **sp. n.** England p. 106, DONISTHORPE Ent. Rec., London **37.**

Neosalpingus corticalis see *Austrosalpingus.*

Platylissodema see *Chilopeltis.*

Priognathus monilicornis, Rand. (= *Pytho sahlbergi* Mannh.) p. 242, JACOBSON Rev. russe Ent. **18** 1924.

Pytho seidlitzi **n. n.** for *niger* Seidl. nec Kby. p. 211, BLAIR Ent. Mo. Mag. **61.**—*P. sahlbergi* see *Priognathus monilicornis.*

Rabocerus dichroa **sp. n.** E. Africa p. 154, BLAIR Ent. Mo. Mag. **61.**

Salpingus hybridus see *Austrosalpingus.*

Sphaeriestes tuberculipennis, turneri p. 152, *cribricollis* p. 153, **spp. n.** S. Africa; key to New Zealand spp., *testaceus* p. 215, *swalei, pallidipes, hudsoni* p. 216 **spp. n.**; *bilunatus* **varr. n.** *brouni* p. 215, *reductus; laticollis* **n. n.** for *simplex* Br. (1910 nec 1886) p. 216 New Zealand, BLAIR Ent. Mo. Mag. **61.**

Vincenzellus coquereli **var. n.** *flavipes* Pondoland p. 151, BLAIR t.c.

OTHNIIDAE.

Macroothnius aeneicollis **sp. n.** Colombia p. 12, PIC Mél. Exot. Ent. **44.**

Othnius tonkineus **var. n.** *coomani* Tonkin p. 13, PIC Mél. Exot. Ent. **44.**

OEDEMERIDAE.

Alloxacis seymourensis **sp. n.** Galapagos Is. p. 226, MUTCHLER Zoologica **5.**

Diplectroides nigrolineatus **sp. n.** Colombia p. 12, PIC Échange [**40**] **41.**

Eobia bakeri **sp. n.** Philippines p. 16, PIC t.c.

Nacerda key to Italian and notes on some other European spp. pp. 34–40, SCHATZMAYR Boll. Soc. ent. ital. **57.**

Thelyphassa chathamensis **sp. n.** Chatham Is. p. 287 figs., BROOKES Rec. Canterbury Mus. **2.**

Xanthochroa coomani **sp. n.** Tonkin p. **301,** PIC Bull. Soc. ent. Fr. **1925.**

PYROCHROIDAE.

Pyrochroa coccinea metamorphoses France p. 1, GOSSOT Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924.

PEDILIDAE.

Eurygenius fulvopictus **sp. n.** Kumaon p. 109, CHAMPION Ent. Mo. Mag. **61.**

Stereopalpus columbianus **sp. n.** Br. Columbia p. 207, HOPPING Can. Ent. **57.**

ANTHICIDAE.

Anthicidae of the Philippines, I, KREKICH-STRASSOLDO Phil. J. Sci. **27** pp. 515–534 figs.

Anthicomorphus (*Walesius* ?) *rufus* p. 531, *rufescens, infuscatus* p. 532, *fumeoalatus, consimilis, montanus* p. 533, *glaber* p. 534, **spp. n.** Philippines figs., KREKICH-STRASSOLDO t.c.

Anthicus, notes on Swedish p. 90, JANSSON Ent. Tidskr. **46.**—*A. subincisipes* **sp. n.** Egypt p. 21, PIC Échange **39** 1924.—*A. longicollis* **var. n.** *tenenbaumi* Poland p. 1, PIC Échange [**40**] **41.**—*A. brýdli* **sp. n.** N. Africa p. 88, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.

Formicomus (*Orthauchen* **subgen. n.** p. 516) *insignis* **n. n.** for *maximus* Pic (1922) nec *maximus* Pic (1895) p. 517, *albopictus, bispinosus* p. 518, *excavatus, bakeri, ambiguus* p. 519, (*Formicomus*) *primitivus* p. 520, *simplex, appendicinus* p. 521, *longithorax* p. 522, *gratiosus* p. 523, *penangensis, infuscatus* p. 524, *iliganensis, intrusus* p. 525, *castaneus* p. 526, *lucidus* p. 527, *lucidulus, microphthalmus* p. 528, *parvulus* p. 529, **spp. n.** Philippines figs., KREKICH-STRASSOLDO Phil. J. Sci. **27.**—*F. ninus* myrmecophily Baghdad p. 549 fig., HINGSTON J. Bombay Nat. Hist. Soc. **30.**—*F. similis* **sp. n.** Sumatra p. 97 fig., KREKICH-STRASSOLDO Treubia **6.**—*F. alfierii* **sp. n.** Egypt p. 22, PIC Échange **39** 1924. —*F.* (*Anthelephilus*) *subfasciatus* **sp. n.** F. Congo p. 42, PIC Ann. Mus. Gen. **51** 1923.

Orthauchen **subgen. n.** see *Formicomus.*

Tomoderus bakeri, fumeoalatus **spp. n.** Philippines figs., KREKICH-STRASSOLDO Phil. J. Sci. **27.**

HYLOPHILIDAE (XYLOPHILIDAE).

Hylophilus subnitidus (= *harmandi* Pic) var. *diversus* (= var. *trinotatus* Pic) p. 27, *gratiosus* **var. n.** *alfierii* Egypt

p. 30, PIC Échange **39** 1924.—*H. pruinosus* **varr. n.** *uniformis*, Caucasus, *montandoni* Rumania, *moreanus* Morea p. 13, PIC Échange [40] **41.**

Xylophilus cavaticollis p. 269, *goriensis* p. 270 **spp. n.** Kumaon, CHAMPION Ent. Mo. Mag. **61.**

MELOIDAE.

The wings of Meloid beeetles, COCKERELL & HARRIS Proc. Biol. Soc. Wash. **38** pp. 25–32 figs.

Oviposition of the Cantharidae, SCHLICK Ent. Bl. **21** pp. 30–31.

Epicauta fidelis **sp. n.** Argentina p. 14, BRÈTHES Nunquam Otiosus iv.

Halosimus filitarsis p. 502, *robustus* p. 504, **spp. n.** Central Atlas, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Meloë spp. life-histories pp. 153–163 figs., PABST Ent. Jahrb. **1** 1892.

Mylabris splendidula **ab. n.** *roddi* Siberia p. 19, REICHARDT Ent. Bl. **21.**—*M.*, synonymy of spp. p. 80, *fabricii* **n. n.** for *decempunctata* F. p. 88, SUMAKOV Sitz. Ber. Natf. Ges. Dorpat **31** 1924.

Nemognatha insularis **sp. n.** Cedros Is. p. 325, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

Pseudomeloe espostoi **sp. n.** Peru p. 42, ESCOMEL An. Zool. aplic. **4** 1917.

Pyrota latemaculata, *testaceithorax* **spp. n.** S. America p. 31, PIC Échange **39** 1924.

Sitarobrachys buigasi **var. n.** *diversipes* Morocco p. 29, PIC t.c.—*S. alfierii* notes, pp. 398–400, PIC Bull. Soc. R. ent. Egypte **1924.**

Tricrania sanguinipennis biology p. 82, PARKER J. Washington Acad. Sci. **15.**

Zonabris mediozigzaga **sp. n.** Egypt p. 25, *incerta* **var. n.** *margensis* Egypt p. 30, PIC Échange **39** 1924.—*Z. floralis* **varr. n.** *mulsanti*, *alpestris*, *baregesius*, *pelissieri*, *monetierensis*, *viturati* France p. 13, PIC Échange [40] **41.**

MORDELLIDAE.

†*Mordella priscula* **sp. n.** Eocene, Colorado p. 11 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.—*M. gounellei* **var. n.** *latejuncta* Brazil p. 88, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.—*M. gascognei* **var. n.** *brevefasciata* Nice p. 11, PIC Échange [40] **40.**

Mordellistena cymbalistria **sp. n.** N. Africa p. 8, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**—*M. mrázi* **sp. n.** Brazil p. 87, PIC Sbornik ent. odd. Narod. Mus. Praze **2** (14) 1924.—*M. testaceiceps*, *longevittata* Batjan (Moluccas), *martapurana*, *celebensis*, *atrocincta* p. 12, *corporaali* (with **var. n.** *diversicolor*) p. 13, **spp. n.** Malay Arch., PIC Mél. Exot. Ent. **43.**

RHIPIPHORIDAE.

Geoscopus see *Trigonodera.*

Micropelecotoides parallelus **sp. n.** Borneo p. 31, PIC Echange **39** 1924.—*M.* key p. 3, PIC t.c. hors-texte.

Ptilophorus key p. 134, *planicollis* p. 136 Australia, *rufipennis*, *signatus* N.S. Wales p. 143, **spp. n.**, SCHILDER D. ent. Zs. **1925.**

Trigonodera (= *Geoscopus*) *capensis* Bat. (= *murinus*); *megalophthalma*, *guineensis* W. Africa p. 1, *suturalis* Tanganyika p. 2, **spp. n.**, SCHILDER Échange, Moulins **39** 1924 hors-texte.

STYLOPIDAE.

Morphology and biology of some Strepsiptera with key to Indo-Australian genera, KARNY De Tropische Natuur **1924** pp. 113–122.

Crawfordia labiata **sp. n.** Poland p. 113 fig., OGLOBLIN Polsk. Pismo ent. **3.**

Elenchinus delphacophilus **sp. n.** Sweden p. 81 fig., AHLBERG Medd. Centralanst. no. **287.**

Halictoxenos puncticollis p. 182, *calceati* p. 183, *sajoi* p. 184, *rubicundi* p. 186 **spp. n.** Poland fig., NOSKIEWICZ & POLUSZYŃSKI Polsk. Pismo ent. **3.**—*H.* (*Halictostylops*) *nitidiusculus* **sp. n.** fig. Poland p. 116, OGLOBLIN Polsk. Pismo ent. **3.**

Macroxenos **gen. n.** *piercei* **sp. n.** Philippines p. 238 figs., SCHULTZE Phil. J. Sci. **27.**

Neostylops flavipedis note pp. 194–195 fig., HOFENEDER Verh. zool.-bot. Ges. Wien **74–75.**

Pseudoxenos seyrigii **sp. n.** Spain p. 235, list of spp. p. 242, MONOD Bull. Soc. zool. Fr. **50.**

Stylops ruthenicus **sp. n.** Russia p. 139 fig., SCHKAFF Bull. Soc. ent. Fr. **1925.**

CURCULIONIDAE.

Biological and systematic notes on Rhynchophora of eastern N. America, BLATCHLEY J. New York Ent. Soc. **33** pp. 87–133.

Sumatran Curculionidae, HELLER Zool. Meded. Leiden **8** pp. 220–224 figs.

Revision of the Ottistirini, HELLER Wiener ent. Ztg. **42** pp. 55–91.

Curculionidae de la faune franco-rhénane I. Ceuthorrhynchini, HUSTACHE Misc. ent. **28** sep. pp. 271–314 (contd. & concl.).

Curculionidae gallo-rhénans, with keys, HUSTACHE Ann. Soc. ent. Fr. **94** pp. 101–260 50 figs. (contd.).

Larval mines of Orchestini, KLEINE Zs. wiss. Insektenbiol. **20** pp. 24–27, 44–53.

The Italian Apionini, with keys, SCHATZMAYR Mem. Soc. ent. ital. **4** pp. 5–112.

Biological and morphological notes on Weevils, SCHNELL Ent. Zs. **39** pp. 21–22, 26–27, 31–32, 34–36.

Monograph of the Pachyrrhynchinae Part III, SCHULTZE Phil. J. Sci. **26** pp. 131–309 figs.

Revision of Apoderinae and Attelabinae, VOSS Stett. ent. Ztg. **85** pp. 1–78, 191–304 maps & plates.

Acalles apogeus **sp. n.** Grand Atlas p. 281, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Acythopeus dentirostris **sp. n.** Sumatra p. 218, MARSHALL Treubia **6.**

Agametis lineoligera **sp. n.** Sumatra p. 237, HELLER Zool. Meded. Leiden **8.**

Alcides inducens p. 230, *deturbatus, detectus* p. 231, *laqueifer* Sumatra, *detractus* Borneo p. 232, **spp. n.**, HELLER Zool. Meded. Leiden **8.**—*A. lamprotrox* p. 185, *circulifer* (with **ab. n.** *fraudator*) p. 186 **spp. n.**; *aeratus* **subsp. n.** *interpositus* p. 185; (*Metallalcides*) *lamprocolius* **sp. n.** p. 184, Philippines fig., HELLER Mem. Soc. ent. ital. **3.**

Allolabus **subgen. n.** see *Henicolabus.*

Anisolabus **gen. n.** *usambaricus* **sp. n.** E. Africa p. 208, VOSS Stett. ent. Ztg. **85.**

Anthonomus bicorostris p. 97, *australis* p. 98, *xanthus* p. 99, **spp. n.** N. America, BLATCHLEY J. New York Ent. Soc. **33.**—†*A. amaguensis* **sp. n.** Siberia p. 6 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.—*A. cyprius* **sp. n.** Cyprus p. 75, MARSHALL Bull. Ent. Res. **16.**—*A. pitangae* **sp. n.** Brazil p. 284, MARSHALL Ann. Mag. N. H. (9) **15.**—*A. pomorum* anatomy and bionomics pp. 5–45 figs., REGNIER Ann. Epiphyties **11**; bionomics and morphology p. 217 figs., SCHULZ Zool. Jahrb. **48** 1924; longevity pp. 88–91 fig., SPEYER Nachrichtenbl. deutschen Pflanzenschutz. **5.**

Apion dilaticolle p. 85, *bischoffi* p. 86, *diffractum* p. 87, **spp. n.** New Jersey, FALL Bull. Brooklyn Ent. Soc. **20.**—*A. albanicum* **sp. n.** Albania p. 27, FORMÁNEK Wiener ent. Ztg. **42.**—*A.* (*Synapion*) *brutum* **sp. n.** Grand Atlas p. 284, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Apocyrtidius chlorophanus redescribed p. 135, SCHULTZE Phil. J. Sci. **26.**

Apoderus mixtus p. 296, *striatipennis* Belgian Congo, *callosicollis* p. 297, *armatus* p. 298 Gaboon, *multicolor* Fr. Congo, **spp. n.**, *cardinalis* Péringuey (= *foveipennis* Hustache) p. 299, HUSTACHE Bull. Soc. ent. Fr. **1925.**

Apteromechus microstictus Florida, *texanus* Texas, **spp. n.** p. 88, FALL Bull. Brooklyn Ent. Soc. **20.**

Aterpus franklini **sp. n.** Papua p. 283, HELLER Ent. Mitt. **14.**

Atrotitis **gen. n.** p. 58, type *albopicta* **sp. n.** New Guinea p. 87 fig., HELLER Mitt. Zool. Mus. Berlin **12.**

Attelabus cyanellus **n. n.** for *Cyphus cyaneus* Faust p. 258, **subgen. n.** *Cyrtolabus* type *mutus* Fst. p. 262, VOSS Stett. ent. Ztg. **85.**—*A. humerosus* see *Henicolabus fausti*; *A. tuberifer* see *Scotopsinus*; *A. brachiatus* see *Euscelus.*

Bagous carinatus **sp. n.** Florida p. 95, BLATCHLEY J. New York Ent. Soc. **33.**

Balaninus biappendiculatus p. 188, *calcarifer* p. 189 Philippines (with **subsp. n.** *palembangus* Sumatra), *zebra* p. 190 (with **subsp. n.** *samaranus* p. 191), *ochrosuturalis, novempunctatus* p. 192, *acutidens, 12-punctatus* p. 193, *semicirculifer* p. 194, *lateristrigosus, momunganus* p. 195, *scolopaceus, elongatipes* p. 197, *semilunifer* **spp. n.** Philippines, *analis* Mshl. an ab. of *interruptus* Kirsch

p. 196 fig., HELLER Mem. Soc. ent. ital. **3.**—*B. cerbereus, plutonius* p. 284, *stramineopictus* p. 285, *stramineoplagiatus* p. 286, **spp. n.** Papua, HELLER Ent. Mitt. **14.**—*B.*, history and synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**—*B. axillaris* see *Carponinus*.

Baris cataphracta **sp. n.** Grand Atlas p. 282, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Barynotus alternans **var. n.** *tournieri* Jura p. 9, PIC Échange [40] **41.**

Brachyrhinus rugifrons historical notes pp. 290–291 fig., CHITTENDEN Can. Ent. **57.**

Calendra history and synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**—*C. multilineatus* Minnesota p. 269, *medoraensis* Kansas p. 270, **spp. n.,** SATTERTHWAIT Ent. News **36.**

Calolabus **subgen. n.** see *Himatolabus*.

Camptorrhinus mangiferae **sp. n.** India p. 341 fig., MARSHALL Bull. Ent. Res. **15.**

Carponinus **gen. n.,** type *Balaninus axillaris* Faust; *tricolor* p. 187, *nitelus* p. 188, **spp. n.** Philippines fig., HELLER Mem. Soc. ent. ital. **3.**

Catachaenus mangarinicus **sp. n.** Philippines p. 222, VOSS D. ent. Zs. **1925.**

Catalabus **subgen. n.** see *Paramecolabus*.

Celebia lactospreta **sp. n.** Philippines p. 183, HELLER Mem. Soc. ent. ital. **3.**

Centrinaspis argentis **sp. n.** Indiana p. 102, BLATCHLEY J. New York Ent. Soc. **33.**

Ceuthorrhynchus (*Oxyonyx*) *retectus* **sp. n.** N. Africa p. 20, key to N. African spp. of subgen. *Oxyonyx* p. 22 figs., PEYERIMHOFF Ann. Soc. ent. Fr. **94.**—*C. alyssi* **sp. n.** Grand Atlas p. 282, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Chalcocybebus bispinosus **var. n.** *macrospilotus, obtusispina* p. 287, *levigatus, muticus* p. 288, *granosispina* p. 289, **spp. n.** Papua, HELLER Ent. Mitt. **14.**

Chauliopleurus viridisquamans **sp. n.** Costa Rica p. 428, CHAMPION Ann. Mag. Nat. Hist. (9) **15.**

Cholus stellatus p. 433, *orosiensis, xanthopleura* p. 434, *tuisensis* p. 435, **spp. n.** Costa Rica, CHAMPION t.c.

Chonostropheus **gen. n.** for *Deporaus tristis* F. Germany p. 780 fig., PRELL Zs. Morph. Ökol. Tiere **3.**

Chryseuscelus **subgen. n.** see *Euscelus*.

Cionus larval glands and cocoons p. 33 figs., PRELL Zool. Anz. **62.**—*C. fraxini*, biology pp. 1–6, PRELL Forstl. Wochenschr. Silva **1925** separate.

†*Cleonus shareipoffi* **sp. n.** Siberia p. 6 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.—*C.* (*Gonoderus*) *sculptissimus* **sp. n.** Morocco p. 336, ESCALERA Bol. R. Soc. esp. Hist. nat. **25.**

Clinolabus key p. 72, *flavomarginatus* Peru p. 73, *surinamensis* Surinam p. 75, *funicularis* Brazil p. 76, **spp. n.,** VOSS Stett. ent. Ztg. **85.**

Coccotorus key, *pruniphilus* **sp. n.** Texas p. 130 figs., CHITTENDEN Proc. Ent. Soc. Wash. **27.**

Coelorrhamphus **gen. n.** p. 442, *madopteroides* **sp. n.** p. 443 Costa Rica, CHAMPION Ann. Mag. N. H. (9) **15.**

Coelosternus manihoti p. 290, *cariniceps* p. 292, *notaticeps* p. 293, **spp. n.** Brazil, key p. 294, MARSHALL Ann. Mag. N. H. (9) **15.**

Collabismodes tabaci **sp. n.** Brazil p. 287, *Euxenus* spp. transferred to, p. 288, MARSHALL t.c.

Colobodes leucostictus **sp. n.** Perak, Sumatra, *fallax* **subsp. n.** *leucocephalus* Sumatra p. 233, HELLER Zool. Meded. Leiden **8.**

Compsus simoni Faust (= *18-signatus* Champ.) p. 429, CHAMPION Ann. Mag. N. H. (9) **15.**

Conotrachelus ruptus, costaricensis p. 436, *extrusus* p. 437, *rubricosus, octocostatus* p. 438, **spp. n.** Costa Rica, CHAMPION t.c.—*C.*, list of spp. in N. Jersey pp. 1–16, notes on genus and spp. p. 17, key p. 19, MUTCHLER & WEISS N. J. Dept. Agric., Circ. **87.**

Copturus crassus **sp. n.** Costa Rica p. 441, CHAMPION Ann. Mag. N. H. (9) **15.**

Cordyle history and synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**

Corigetus dammermani p. 215, *enganensis* p. 216, **spp. n.** Sumatra, MARSHALL Treubia **6.**—*C. instabilis* **sp. n.** India p. 339 fig., MARSHALL Bull. Ent. Res. **15.**

Curculio history and synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**

Cyclobarus rotroui **sp. n.** N. Africa p. 18, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**

Cylas formicarius bionomics pp. 257–280 figs., GONZALES Phil. Agric. **14.**

Cylindrocorynites **gen. n.** (near *Cylindrocorynus*), *falcipes* **sp. n.** Sumatra p. 235 fig., HELLER Zool. Meded. Leiden **8.**

Cyphus cyaneus see *Attelabus.*

Cyrtolabus **subgen. n.** see *Attelabus.*

Decasticha tricostata **sp. n.** Panama p. 429, CHAMPION Ann. Mag. N. H. (9) **15.**

Deporaus betulae oviposition pp. 652–656, PRELL Naturwissenschaften **13.**—*D. tristis* see *Chonostropheus.*

Dermatodes viridescens **sp. n.** Sumatra p. 223, HELLER Zool. Meded. Leiden **8.**

Diorymerus aratus **sp. n.** Costa Rica p. 441, CHAMPION Ann. Mag. N. H. (9) **15.**

Dolichocephalocyrtus **subgen. n.** see *Metapocyrtus.*

Dryophthorus corticalis new to Britain p. 182, DONISTHORPE Ent. Mo. Mag., London **61** 1925.

Dryotribus breviceps **sp. n.** Sunda Is. p. 219, MARSHALL Treubia **6.**

Dyscerus deminutus **sp. n.** Sumatra p. 224, HELLER Zool. Meded. Leiden **8.**

Echinocnemus oryzae **sp. n.** Madras p. 73 fig., MARSHALL Bull. Ent. Res. **16.**

Ecnomognathus **gen. n.** for *Eugnathus sericeus* Fst. p. 223, VOSS D. ent. Zs. **1925.**

Elassophilus nanus **sp. n.** Sumatra p. 240, HELLER Zool. Meded. Leiden **8.**

Eleuscelus **subgen. n.** see *Euscelus.*

Emphyleuscelus **gen. n.** p. 69, type *Attelabus falcipes* Klug Brazil, key p. 70, VOSS Stett. ent. Ztg. **85.**

Enoplolabus **subgen. n.** see *Lamprolabus.*

Eugnathus key p. 213, *jocosus* p. 216, *parcus* Borneo, *subrittatus* p. 217, *densatus* Philippines, *innotatus* Celebes & Philippines p. 219, *intermedius*, *viridicolor* E. Indies p. 218, *bakeri* Borneo & Sumatra p. 220, *nigrofasciatus* China p. 221, *cleroides* Formosa p. 222 **spp. n.**; (*chloroticus* Pasc. =) *distinctus* Roel. p. 220, *Sitona ochrysquamosa* & *bella* transferred pp. 220, 221, VOSS D. ent. Zs. **1925.**—*E. sericeus* see *Ecnomognathus.*

Euops key p. 292 (**subgen. n.** *Synechops* p. 298) *gratiosa* Sumatra, *elongata* Philippines p. 300 **spp. n.** fig., VOSS Stett. ent. Ztg. **85.**

Euscelophilus **gen. n.** type *Euscelus chinensis* Schilsky China p. 30, VOSS t.c.

Euscelus (*Coryneuscelus*) *scrobiculatus* S. Domingo p. 41, *cancellatus* p. 43, *callosipennis* p. 44 Cuba, (**subgen. n.** *Meteuscelus* p. 45) *elliptiguttatus* Costa Rica p. 47, *peruanus* Peru p. 48 (*Coscineuscelus*) *submaculatus* Bolivia p. 49, (*Pheleuscelus*) *subimpressus* p. 53, *spiniger* p. 55 Brazil, *innotatus* Cas Tebayes p. 54, *gemellatus* Bolivia p. 55, (**subgen. n.** *Chryseuscelus*) *vittaticollis* Brazil p. 56, (**subgen. n.** *Eleuscelus*) *lineatus* p. 60, *vicinus*, *sanguineus* p. 62 Brazil, *verticalis* Costa Rica p. 61, *blandulus* Magdalena p. 63, *lissus* Mexico p. 64, *insignis* Bolivia (**subgen. n.** *Neoeuscelus* p. 65), *lar* Bahia **spp. n.**; *atratus* **n. n.** for *brachiatus* Boh. p. 66, VOSS t.c.

Euscepes deceptus **sp. n.** Florida p. 106, BLATCHLEY J. New York Ent. Soc. **33.**

Eusynnada **gen. n.** (near *Synnada*) p. 226, type *plaxoides* **sp. n.** Sumatra p. 227 fig., HELLER Zool. Meded. Leiden **8.**

Eutinophaea keyensis Key Is. p. 83, *hispidula* Sumbawa, *flavovirens* New Guinea p. 84, *wallacei* p. 85, *bicarinata*, *maculicollis* Moluccas, *sumbawana* Sumbawa p. 86, **spp. n.** fig., HELLER Mitt. Zool. Mus. Berlin **12.**

Euxenus see *Collabismodes.*

Exapion wagnerianum **sp. n.** Spain p. 24, SCHATZMAYR Mem. Soc. ent. ital. **4.**

Exophthalmus cuprirostris **sp. n.** Costa Rica p. 427, CHAMPION Ann. Mag. N. H. (9) **15.**

Gonocleonus humberti **sp. n.** Grand Atlas p. 106, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Heilipus turrialbae, *picticollis* **spp. n.** Costa Rica p. 430, CHAMPION Ann. Mag. N. H. (9) **15.**

Henicolabus **gen. n.** p. 224, key p. 225 (*Allolabus* **subgen. n.**), *fausti* **n. n.** for *Attelabus humerosus* Faust p. 226, *gigantoides* China p. 228, *brachmanus* Java p. 229, *simplex* Annam p. 231 **spp. n.**, Voss Stettin. ent. Ztg. **85**.

Heteroglymma setosa **sp. n.** Java p. 213, MARSHALL Treubia **6**.

Himatolabus coloradoensis S. Colorado p. 244, *subpilosus* Mexico p. 245 **spp. n.**; **subgen. n.** *Calolabus* type *cupreus* Roel. p. 248, Voss Stett. ent. Ztg. **85**.

Homalopsinus **subgen. n.** see *Scotopsinus*.

Hoplocopturus cavernosus **sp. n.** Costa Rica p. 440, CHAMPION Ann. Mag. N. H. (9) **15**.

Hybolabus key p. 192, *ater* **f. n.** *marina*, **subsp. n.** *peruanus* Brazil p. 194; *azuripennis* Paraguay, *amazonicus* Amazons p. 196, *basalis* Brazil p. 197 **spp. n.**, Voss Stett. ent. Ztg. **85**.

Hylobius abietis, generations pp. 1–22, DINGLER Zs. angew. Ent. **11**.—*H. abietis* **varr. n.** *albonotatus*, *semirufescens*, France; *pinastri* **var. n.** *robustus* Spain p. 26, PIC Échange **39** 1924.

Hypera (*Phytonomus*) *nigrirostris* life-history pp. 71–73, HUDSON & WOOD 55th Ann. Rept. Ent. Soc. Ontario **1924**.—*H. bravardi* Monastir, *leonisi* p. 2, *rufimembris* p. 3 Cerigo Is., *favarcqi*, *gracilitarsis* **spp. n.** Algeria; *fasciculatus* **var. n.** *curtithorax* Pyrenees; *oxalis* **var. n.** *fauconneti* France p. 6; *albonotata*, *reductirostris* Algeria p. 9, **spp. n.**, PIC Échange [**40**] **41**.

Hyperodes annulipes **sp. n.** Florida p. 92, BLATCHLEY J. New York Ent. Soc. **33**.

Hypsonotus rhombifer **sp. n.** Brazil p. 282, MARSHALL Ann. Mag. N. H. (9) **15**.

Idotasia bakeri p. 377, *semirubra* p. 378, **spp. n.** Philippines, HUSTACHE Phil. J. Sci. **27**.

Ischiomastus carinifer p. 431, *underwoodi* Costa Rica, *extensus* p. 432 Panama **spp. n.**, CHAMPION Ann. Mag. N. H. (9) **15**.

Iseuscelus **gen. n.** *flohri* **sp. n.** Mexico p. 71, Voss Stettin. ent. Ztg. **85**.

Isolabus **gen. n.** p. 214, *magnus* **sp. n.** China p. 215, Voss Stett. ent. Ztg. **85**.

Ittostira **gen. n.** p. 57, *elongata* p. 73 Philippines, *nasalis* p. 74 Aru Is., *transtrata* Makjan (Ternate), *papuana* New Guinea p. 75, *costulata* Borneo, *exophthalma* p. 77, *variabilis*, *subbifasciata*, *glauca* p. 78, *bipunctata*, *scriespreta* p. 79, *simia* p. 80 Philippines, *moluccana* Moluccas, *elaphorae* Borneo p. 81, **spp. n.** fig., HELLER Mitt. Zool. Mus. Berlin **12**.

Jozena **gen. n.** (near *Zeiona*) *cybeba* **sp. n.** Sumatra p. 228 fig., HELLER Zool. Meded. Leiden **8**.

Lamprolabus **subgen. n.** *Enoplolabus* type *gestroi* Fst. p. 237, Voss Stett. ent. Ztg. **85**.

Larinus congoanus p. 23, *flavomaculatus* p. 24, **spp. n.** Congo, HUSTACHE Ann. Soc. linn. Lyon **71**.

Leptommatus **gen. n.** p. 271, *flavisetis* **sp. n.** Kumaon p. 272 figs., CHAMPION Ent. Mo. Mag. **61**.

Leptops duponti cocoon p. 35 fig., LEA Rec. S. Aust. Mus. **3**.

Limnobaris rectirostris biological notes p. 196, WEISS; mature larva p. 198, figs., BÖVING J. New York Ent. Soc. **32** 1924.

Listroderes (*Desiantha*) *nociva* various stages described pp. 573–580 figs., MCCARTHY Agric. Gaz. N.S.W. **35** 1924.

Lixus novellus **sp. n.** Indiana p. 101, BLATCHLEY J. New York Ent. Soc. **33**.—*L. albinae* **sp. n.** Caucasus p. 25, FORMÁNEK Wiener ent. Ztg. **42**.

Lobotrachelus bakeri, *minutus* p. 379, *suturalis* p. 380, *elongatulus* Borneo, *luteofasciatus* p. 381, *himalayanus*, *bertrandi* p. 382, *pusillus* Himalayas, *parvulus* Java p. 383, *pectoralis* Tonkin, *affinis* p. 384, *rufirostris* p. 385 Cochin-China, **spp. n.**, HUSTACHE Phil. J. Sci. **27**.

Magdalis himalayana **sp. n.** India p. 340 fig., MARSHALL Bull. Ent. Res. **15**.

Maleuterpes (?) *dentipes* **sp. n.** Sumatra p. 61 fig., HELLER Wiener ent. Ztg. **42**.

Mecostylus acuminatus **sp. n.** Kenya p. 71 fig., MARSHALL Bull. Ent. Res. **16**.

Mecysmoderes rugosus Singapore p. 334, *impressus* p. 335, *carinicollis* p. 336 Borneo, *obscurus* Singapore p. 337, *gibbicollis* Borneo p. 338, **spp. n.**, HUSTACHE Phil. J. Sci. **26**.—*M. luzonicus* **sp. n.** Philippines p. 395, HUSTACHE op. cit. **27**.

Mesitinus **subgen. n.** see *Omolabus.*

Metapocyrtus solarii p. 181, (*Artapocyrtus*) *samaranus*, (*A.*) *latinasus* **spp. n.**; *granifer* **subsp. n.** *cebu* p. 182 Philippines fig., HELLER Mem. Soc. ent. ital. **3.**—*M.* (*Artapocyrtus*) *bifasciatus* **var. n.** *butuanensis* p. 138, (*A.*) *quadriplagiatus* **var. n.** *biplagiatus* p. 140; (*A.*) *samarensis* p. 143, (*A.*) *longipennis* p. 145 (with **varr. n.** *leytensis, biliranensis* p. 146) **spp. n.**; (*A.*) *humeralis* **subsp. n.** *aureofasciatus* p. 147; (*A.*) *diffusisquamosus* **sp. n.** p. 149, (*Sphenomorphoidea*) *metallicus* **var. n.** *mutabilis* p. 152, *maculatus* p. 155, (*Sclerocyrtus*) *celestinoi* p. 158, (*S.*) *chamissoi* p. 159, (*Orthocyrtus*) *ilocanus* p. 162, (*O.*) *bifoveatus* p. 163, (*O.*) *helleri*, (*O.*) *boholensis* p. 170 (with **var. n.** *semotus* p. 171), (*O.*) *monstrosus* p. 181 (with **var. n.** *speciosus* p. 182), (*Metapocyrtus*) *sibuyanensis* p. 184, (*M.*) *whiteheadi*, (*M.*) *batanensis* p. 186, (*M.*) *pilositibialis* p. 187, (*M.*) *niger* p. 189, (*M.*) *limayensis* p. 190, (*M.*) *gregarius* p. 191, (*M.*) *subgregarius*, (*M.*) *imitatus* p. 192, (*M.*) *adaptatus* p. 193, (*M.*) *polilloensis* p. 194, (*M.*) *luzonensis*, (*M.*) *pilosus* p. 195, (*M.*) *subvirgatus* p. 197, (*M.*) *reyesi* p. 198, (*M.*) *mindorensis* p. 200 **spp. n.**; (*M.*) *subfasciatus* **subspp. n.** *biliranensis, catarmanensis* p. 207, *variabilis*; (*M.*) *visayaensis* p. 208, (*M.*) *abbrevilineatus* p. 210, (*M.*) *bukidnonensis* p. 214, (*M.*) *worcesteri* p. 224, (*M.*) *camarinensis* p. 226, (*M.*) *chlamydatus* p. 229, (*M.*) *schicki* p. 231, (*M.*) *caeruleomaculatus* p. 232 (with **subsp. n.** *imuganus* p. 233), (*M.*) *sphaericollis* p. 238, (*M.*) *lepantoensis* p. 241, (*M.*) *diffusus* p. 242, *subdiffusus* p. 243, (*M.*) *elongatus*, (*Dolichocephalocyrtus* **subgen. n.**) p. 245, (*D.*) *subdolosus* p. 247, *trifasciatus* p. 248 **spp. n.**; (*D.*) *bituberosus* **subspp. n.** *samalensis, davaoensis* p. 249; (*D.*) *lineaticollis* p. 250 (with **var. n.** *simplex*), (*D.*) *univerrucosus*, (*D.*) *mindanaoensis* p. 251, (*D.*) *clemensi* p. 252, (*D.*) *pikitensis*, (*D.*) *frosti* p. 255, (*D.*) *elicanoi* p. 256, (*D.*) *negrosensis*, (*D.*) *ticaoensis* p. 257, (*D.*) *chloromaculatus* p. 259, (*D.*) *emarginaticollis* p. 261 **spp. n.**, (*Trachycyrtus*) *profanus* **var. n.** *arayatensis* p. 263, (*T.*) *palawanensis* (with **subspp. n.** *acutituberculatus, mangyanus*) p. 264, (*T.*) *magnigibbicollis* p. 267, (*T.*) *turgidofemoralis* p. 268, (*T.*) *lagunaensis* p. 269, (*T.*) *calavitensis* p. 271, (*T.*) *banahoensis* p. 272 (with **subsp. n.** *davauganus* p. 273), (*T.*) *banguiensis* p. 274, (*T.*) *socius* p. 276 (with **subsp. n.** *calivoensis*), (*T.*) *apoensis* p. 277, (*T.*) *tawiensis* p. 280, (*T.*) *sibayensis* p. 281, (*T.*) *sabtangensis* p. 282, (*T.*) *vestitus*, (*T.*) *rostrogibbosus* p. 283, (*T.*) *viridans* p. 284, (*T.*) *joloensis* p. 285, (*T.*) *pseudoviridans* p. 286, (*T.*) *smaragdinus* p. 287, (*T.*) *confusus* p. 288, (*T.*) *spinipennis* p. 289, (*T.*) *acutispinosus*, (*T.*) *crassispinosus* p. 290, (*T.*) *microspinosus* p. 291, (*T.*) *macrospinosus* p. 292, (*Metapocyrtus*) *monticola*, (*M.*) *tapulaonus* p. 293, (*Trachycyrtus*) *zambalensis* p. 294 **spp. n.**, Philippines figs., SCHULTZE Phil. J. Sci. **26.**

Meteuscelus **subgen. n.** see *Euscelus.*

Metoposoma porosum **sp. n.** Brazil p. 289, MARSHALL Ann. Mag. N. H. (9) **15.**

Metrioxena corporaali **sp. n.** Sumatra p. 225 fig., HELLER Zool. Meded. Leiden **8.**

Miccotrogus capucinus **var. n.** *auronotatus* Algeria p. 10, PIC Échange [40] **41.**

Microzetes fortistriatus **sp. n.** Sumatra p. 237, HELLER Zool. Meded. Leiden **8.**

Mimographus ruizi **sp. n.** Chile p. 204, BRÈTHES Rev. chil. Hist. nat. **29.**

Myllocerops conirostris Bokhara p. 21, *splendens* Kashmir p. 22, **spp. n.**, FORMÁNEK Wiener ent. Ztg. **42.**

Myllocerus doliaris **sp. n.** Sumatra p. 214, MARSHALL Treubia **6.**

Myorrhinus hungaricus **sp. n.** Hungary p. 26, FORMÁNEK Wiener ent. Ztg. **42.**

Nanophyes griseus, fulvipes Singapore p. 372, *insularis* p. 373, *bakeri* Philippines **spp. n.**, *bellus* **n. n.** for *testaceicornis* Heller p. 374, *ligatus* further description p. 375, *fulvoapicalis* **sp. n.** Singapore p. 376, HUSTACHE Phil. J. Sci. **27.**—*N. convexipennis* **sp. n.** Mesopotamia; *brunneonotatus* **var. n.** *alepensis* Syria; *latifrons* **var. n.** *atritarsis* Egypt; *4-virgatus* **var. n.** *larnacanus* Cyprus p. 13; *posticus* **var. n.** *obliteratus*; *biskrensis* **varr. n.** *separatus, thoracicus*; *minutissimus* **var. n.** *scapularis* Tunis p. 14, PIC Échange [40] **41.**

Neoeuscelus **subgen. n.** see *Euscelus.*

Neopentarthrum **gen. n.**, *towerensis* **sp. n.** Galapagos IS. p. 231 fig., MUTCHLER Zoologica **5.**

Odosyllis postfasciata **sp. n.** Sumatra p. 236, HELLER Zool. Meded. Leiden **8.**

Omolabus key p. 280 (**subgen. n.** *Mesitinus*) *aeneicollis* p. 283, (*Sternolabus*) *callifer* p. 285 Colombia, (*Omolabus*) *subrugosus* p. 289, *gibbiphorus* Amazons, *bigibbicollis* p. 290 Brazil, **spp. n.**, Voss Stett. ent. Ztg. **85.**

Omophorus nicodi **sp. n.** Tropical Africa p. 22, HUSTACHE Ann. Soc. linn. Lyon **71.**

Omphasus penicillatus **sp. n.** Sumatra p. 229, HELLER Zool. Meded. Leiden **8.**

Orchestes anoploideus **sp. n.** Singapore p. 371, HUSTACHE Phil. J. Sci. **27.**

Orthochaetes sanctae-salzae **sp. n.** N. Africa p. 19, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**

Othippia albilateralis p. 240, *murina* p. 241, **spp. n.** Sumatra, HELLER Zool. Meded. Leiden **8.**

Otiorrhynchus farinosus Macedonia p. 18, *kashmirensis* Kashmir p. 19, *atronitens* Crimea p. 20, **spp. n.**, FORMÁNEK Wiener ent. Ztg. **42.**—*O.* (s. str.) *alluaudi*, (*Arammichnus*) *dyris* p. 104, (*A.*) *dolabratus* p. 105, **spp. n.** Grand Atlas, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**—*O. rugifrons* larval habits England p. 273 figs., WILSON Ent. Mo. Mag. **61.**

Ottistira bituberosa Ceram, *gibbicollis* New Guinea p. 66, *iniquicollis* Moluccas, *planiuscula* New Guinea p. 67, *similis* Ceram (with **subsp. n.** ? *amboinensis* Amboyna) p. 69 **spp. n.** figs., HELLER Mitt. Zool. Mus. Berlin **12.**—*O. nitida* see *Tistortiella.*

Pachytychius rotroui **sp. n.** Algeria p. 14, PIC Échange [40] **41.**

Paramecolabus p. 219 (*Catalabus* **subgen. n.**) *pallidipennis* **sp. n.** India p. 220, Voss Stett. ent. Ztg. **85.**

Parimera subarmata **sp. n.** Sumatra p. 226, HELLER Zool. Meded. Leiden **8.**

Pentarthrinus dissimilis **sp. n.** Florida p. 108, BLATCHLEY J. New York Ent. Soc. **33.**

Periphemus key, *corporaali* **sp. n.** Sumatra p. 242, HELLER Zool. Meded. Leiden **8.**

Pholicodes ghigii **sp. n.** (with **ab. n.** *brevirostris* ♀) Cyrenaica p. 30, SOLARI in DODERO Boll. Mus. Zool. Torino **39** N.S. no. **23.**

Phylaitis pterospermi p. 342, *scutellaris* p. 343, **spp. n.** India figs., MARSHALL Bull. Ent. Res. **15.**

Phyletobius **gen. n.** *equestris* **sp. n.** Central America p. 265, Voss Stett. ent. Ztg. **85.**

Phyllobius (*Parascythropus*) *festae* **sp. n.** Cyrenaica p. 28, SOLARI in DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.

Phymatopsinus **gen. n.** p. 205, type *Attelabus pustula* Ancey W. & E. Africa p. 206, Voss Stett. ent. Ztg. **85.**

Phytonomus see *Hypera.*

Piazurus ecaudatus **sp. n.** Costa Rica p. 439, CHAMPION Ann. Mag. N. H. (9) **15.**

Pilolabus key p. 21, *californicus* California p. 23, *purpureus* p. 24, *lucidus* Mexico, *rugiceps* Costa Rica p. 25 **spp. n.**, figs., Voss Stett. ent. Ztg. **85.**

Pissodes piniphilus biology p. 32, HOFFMANN Bull. Soc. ent. Fr. **1925.**—*P. hercyniae* biology, &c. pp. 210–214, SCHIER Ent. Jahrb., Leipzig **3** 1894.

Plassoderinus **gen. n.** p. 209, *magambaensis* **sp. n.** E. Africa p. 210, Voss Stett. ent. Ztg. **85.**

Plenaschopsis **gen. n.** (near *Trigonoscuta*) p. 341, *pilosisquama* **sp. n.** Natividad I. p. 342, BLAISDELL Proc. Cal. Acad. Sci. (4) **14.**

Pleurolabus protensus E. Africa p. 249, *abessinicus* Abyssinia p. 250, **spp. n.**, Voss Stett. ent. Ztg. **85.**

Polycleis octomaculatus p. 165, *patrizii* p. 167, **spp. n.** E. Africa, HUSTACHE Ann. Mus. Gen. **51** 1924.

Polydrosus key p. 19, *maurus* **sp. n.** N. Africa p. 18, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**—*P.* (*Conocetus*) *festae* **sp. n.** Cyrenaica p. 29, SOLARI in DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.

Prionomerus bondari **sp. n.** Brazil p. 286, MARSHALL Ann. Mag. N. H. (9) **15.**

Protostrophus edax Transvaal p. 67, *lugubris* Natal, *mutator* Cape Province p. 68, *vorax* p. 69, *rotundus* p. 70 Transvaal, **spp. n.** figs., MARSHALL Bull. Ent. Res. **16.**

Pseniclea castanea **sp. n.** Philippines p. 377, HUSTACHE Phil. J. Sci. **27.**

Pseudocyphus squaminasus **sp. n.** Costa Rica p. 429, CHAMPION Ann. Mag. N. H. (9) **15.**

Rhadinopus key p. 224, *maniltoae* **sp. n.** Java p. 226, HELLER D. ent. Zs. **1925.**

Rhinoncus luzonicus **sp. n.** Philippines p. 333, HUSTACHE Phil. J. Sci. **26.**

Rhinoscapha integrirostris **sp. n.** Papua p. 282, HELLER Ent. Mitt. **14.**

Rhynchites auratus, pauxillus, bacchus, aequatus, betuleti, key to mature larvae pp. 76–78 fig., GROSS-HEIM Défense des Plantes **2.**—*R. auratus* genitalia pp. 129–152 figs., TROITZKY Repts. Bur. App. Ent. Petrograd **1** 1921.

Rhynchophorus history and synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**

Rhytirrhinus semituberculatus **sp. n.** Algeria p. 14, PIC Échange [40] **41.**

Rimboda **gen. n.** (near *Brimoda*) p. 238, *sculptilis* **sp. n.** Sumatra p. 239 fig., HELLER Zool. Meded. Leiden **8.**

Scotopsinus **gen. n.** for *Attelabus tuberifer* Jek. p. 200, **subgen. n.** *Homalopsinus* p. 202, Voss Stett. ent. Ztg. **85.**

Scythropus princeps **sp. n.** Grand Atlas p. 269, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Semiathe cribricollis **sp. n.** Philippines p. 385, HUSTACHE Phil. J. Sci. **27.**

Sepiomus tuberculatus **subsp. n.** *microscutellaris* Sumatra p. 224, HELLER Zool. Meded. Leiden **8.**

Sibinia pungens **sp. n.** Grand Atlas p. 283, PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**

Sitona ochrysquamosa, bella see *Eugnathus.*

Sitophilus history and synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**

Smicronyx seriepilosus new to Britain p. 196, DONISTHORPE Ent. Mo. Mag., London **61.**

Solobrachius (?) *pseudohistrio* **sp. n.** Sumatra p. 234, HELLER Zool. Meded. Leiden **8.**

Sphenophorus history & synonymy pp. 113–114, PIERCE Proc. Ent. Soc. Wash. **27.**—*S. sationis* **sp. n.** Sumatra p. 243, HELLER Zool. Meded. Leiden **8.**

Sphrigodes subdenudatus **sp. n.** E. Africa p. 168, HUSTACHE Ann. Mus. Gen. **51** 1924.

Stenommatus nanus **sp. n.** Kumaon p. 270, CHAMPION Ent. Mo. Mag. **61.**

Strophosomus capitatus glands of head pp. 297–311 figs., SMRECZYŃSKI Bull. intern. Acad. polon. Ser. B **1924.**

Sympiezotrachelus impar **sp. n.** Natal p. 73 figs., MARSHALL Bull. Ent. Res. **16.**

Synechops **subgen. n.** see *Euops.*

Telephae key *ornata* Borneo p. 386 (with **var. n.** *diffusa*), *obtusata* Philippines p. 387, *griseofasciata* Borneo p. 388, *carinirostris, minuta* Philippines p. 389, *grisea, ferruginipes* p. 390, *lineolata* p. 391, *striata* Borneo, *pusilla* Philippines p. 392, *nigricornis* Singapore p. 393, *neglecta, maculithorax* Borneo p. 394, **spp. n.,** HUSTACHE Phil. J. Sci. **27.**

Tistortia **gen. n.** p. 57, type *aroana* **sp. n.** New Guinea p. 61 fig., HELLER Mitt. Zool. Mus. Berlin **12.**

Tistortiella **gen. n.** for *Ottistira nitida* Fst. p. 63, HELLER t.c.

Trachyphloeus mazurai **sp. n.** Herzegovina p. 23, FORMÁNEK Wiener ent. Ztg. **42.**

Tragopus heteroseriatus **sp. n.** Philippines p. 199, HELLER Mem. Soc. ent. ital. **3.**

Trichalophus foveirostris **sp. n.** Virginia p. 141, CHITTENDEN Proc. Ent. Soc. Wash. **27.**

Trigonocolus castaneus p. 16, *fasciculosus* p. 18, *puncticollis* p. 19, *niger* p. 20, *rubripes* p. 21 **spp. n.** Tropical Africa, HUSTACHE Ann. Soc. linn. Lyon **71.**

Trigonops kombuisana **sp. n.** Sunda Is. p. 212, MARSHALL Treubia **6.**

Trigonopterus amphoralis **sp. n.** Sumatra p. 217, MARSHALL t.c.

Tychius pulcher p. 9, *auroillitus, identipes, vestitipennis* (with **var. n.** *uniformis*) p. 10, **spp. n.** N. Africa, PIC Échange [40] **41.**

Xestolabus tabaci p. 269, *schirmi* p. 275, *jatahyensis* Brazil, *centomyrciae* p. 270 Paraguay, *tabascoensis* Mexico p. 272, *rubellus* Peru p. 274, *angustifrons* Amazons p. 275, **spp. n.,** Voss Stett. ent. Ztg. **85.**

SCOLYTIDAE.

Biology of bark-beetles of the Ural and Siberia, KOLOSOV "Uralnarkomzem" 1923 12 pp.

Notes on the bark-beetles of Poland, KOZIKOWSKI & KUNTZE Polsk. Pismo ent. **4** pp. 18–23.

Key to Scolytids occurring in Russia, and those attacking conifers in Crimea, Caucasus and Siberia, SPESSIVTZEV **1925** 87 pp. 152 figs.

Swedish Scolytidae, descriptions, generic and specific keys, SPESSIVTSEFF Svensk Insekt-fauna **28** pp. 143–194, 25 figs.

Number of annual generations in bark-beetles, SPESSIVTSEFF Ent. Tidskr. **46** pp. 102–106.

Aphanarthrum mairei **subsp. n.** *saturatum* Morocco p. 12, PEYERIMHOFF Bull. Soc. Sci. nat. Maroc **5**.

Blastophagus piniperda mortality pp. 41–43, v. BUTOVITSCH Ent. Bl. **21**; hibernation p. 33, ID. Intern. ent. Zs. **19**.

Chaetoptelius vestitus, larval development pp. 286–291 figs., RUSSO Atti Accad. Lincei (6) **2**.

Cisurgus occidentalis **subsp. n.** *resiniferae* Morocco p. 13, PEYERIMHOFF Bull. Soc. Sci. nat. Maroc **5**.

Dendroctonus monticolae, ponderosae distribution in W. America p. 448, KORSTIAN Science, New York **61**.

Ips erosus (= *proximus*) variation pp. 166-191, *fejferi* **sp. n.** Poland p. 191 figs., KÉLER Polsk. Pismo ent. **4**.—*I.* key p. 197, *chamberlini* Oregon p. 196, *ponderosae* Arizona p. 197, **spp. n.**, SWAINE Can. Ent. **57**.

Metacorthylus affinis **sp. n.** Brazil p. 1 fig., PINTO DA FONSECA Comm. Estudo e Debell. Praga caffèeira, pub. no. 12.

Myelophilus see *Blastophagus*.

Phloeosinus thujae biology pp. 134–137 fig., KOZIKOWSKI & NUNBERG Polsk. Pismo ent. **3**.

Phloeotribus porteri **sp. n.** Chile p. 25 fig., BRUCH An. Zool. aplic. **1** 1914.

Pityophthorus espinosai **sp. n.** Chile p. 202, BRÈTHES Rev. chil. Hist. nat. **29**.—*P. boycei* p. 192, *rugicollis* California, *carinulatus* New Mexico p. 193, *elongatus* p. 194, *cutleri* Br. Columbia, *borealis* Arctic Canada, *gracilis* p. 195, *exilis* Oregon, *tenuis* Br. Columbia p. 196, **spp. n.**, SWAINE Can. Ent. **57**.

Polygraphus hoppingi **sp. n.** Arizona p. 51, SWAINE Can. Ent. **57**.

Stephanoderes seriatus Eich. (=*fallax* Costa Lima, *largipennis* Toledo Piza) p. 197, DA COSTA LIMA Bol. Minist. Agric. Rio Jan. **14**.

Triotemnus longicollis **sp. n.** Morocco p. 11 figs., PEYERIMHOFF Bull. Soc. Sci. nat. Maroc **5**.

Xyleborus hagedorni p. 128, *iheringi* p. 129, **spp. n.** Brazil fig., IGLESIAS Rev. Mus. Paulista **9** 1914.

Xylechinus porteri **sp. n.** Chile p. 202, BRÈTHES Rev. chil. Hist. nat. **29**.

Xyloterus signatus, lineatus distinctions given p. 103 figs., KÉLER Kosmos **46** 1921.

PLATYPIDAE.

The Platypodidae of Formosa, MURAYAMA J. Coll. Agric. Hokkaido Imp. Univ. **15** pp. 197–236 figs.

Crossotarsus rengetensis p. 208 (Niijima & Murayama), *quercivorus* p. 229, *simplex* p. 231, **spp. n.** Formosa figs., MURAYAMA t.c.—*C. loricatus* **sp. n.** Burma p. 71, WINN-SAMPSON Ann. Mus. Gen. **51** 1923.—*C. semigranosus* **sp. n.** Queensland p. 2, WINN-SAMPSON Ark. Zool. **17A** no. 16.—*C. majusculus* **sp. n.** New Guinea p. 89, WINN-SAMPSON Nova Guinea **15** 1924.

Diapus formosanus **sp. n.** Formosa p. 217 figs., NIIJIMA & MURAYAMA in MURAYAMA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*D. gestroi* **sp. n.** Burma p. 74, WINN-SAMPSON Ann. Mus. Gen. **51** 1923.

Platypus lepidus **subsp. n.** *formosanus* p. 214, *formosanus* p. 215 (Niijima & Murayama), *calamus* (Blandford) p. 232, *tenuis* p. 233, **spp. n.** Formosa figs., MURAYAMA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*P. santacruzensis* **sp. n.** Galapagos Is. p. 233 fig., MUTCHLER Zoologica **5**.—*P. nivalis, inermis* **spp. n.** Burma p. 73, WINN-SAMPSON Ann. Mus. Gen. **51** 1923.

BRENTHIDAE.

Notes on biology of the Brenthidae, BEESON Ind. Forest Rec. **11** pp. 171–188 fig.

Markings on the elytra of Brenthidae, KLEINE Arch. Natg. **86** A 6 (1920) 1921 pp. 1–83.

Brenthidae of the entomological collection of the Philippine Bureau of Science, KLEINE Phil. J. Sci. **28** pp. 589–605 1 pl.

Synoptic key to genera of Brenthidae of the Indian region, KLEINE Ind. Forest Rec. **11** pp. 165–170.

Agriorrhynchus ignarus **sp. n.** Philippines p. 598 figs., KLEINE Phil. J. Sci. **28.**

Allaeometrus deformis **sp. n.** Assam p. 127 figs., KLEINE Ind. Forest Rec. **11.**

Amerismus affinis p. 196, *felix* p. 197 **spp. n.** Madagascar fig., KLEINE Arch. Natg. **90** A 8.

Amobaeus **gen. n.** for *Cyphagogus costipennis* Fairm. Madagascar p. 192, KLEINE t.c.

Amorphocephalus delicatus **sp. n.** India p. 144, KLEINE Ind. Forest Rec. **11.**

Anepsiotes bellus, commendabilis **spp. n.** India p. 159, KLEINE t.c.

Anocamara catenata **sp. n.** Penang p. 132, KLEINE t.c.

Apocemis ignobilis **sp. n.** Philippines p. 602 fig., KLEINE Phil. J. Sci. **28.**

Araiorrhinus conquisitus Perak, *beesoni* Burma, **spp. n.** p. 138, KLEINE Ind. Forest Rec. **11.**

Atopomorphus **gen. n.** p. 593, *schultzei* **sp. n.** Philippines p. 594 figs., KLEINE Phil. J. Sci. **28.**

Caenorychodes **gen. n.** p. 87, key p. 71, *versicolor* Dammer I. p. 93, *nigerrimus* Amboina, *rubrosignatus* Ternate p. 95, *insulanus* Ceram p. 96, *fasciatus* Andamans p. 98, *abnormis* Sumbawa p. 100 **spp. n.** figs., KLEINE Arch. Natg. **86** A 9 (1920) 1921.

Calorychodes **gen. n.** p. 152, *decens* **sp. n.** Burma p. 153, KLEINE Ind. Forest Rec. **11.**

Catablysmia störmeri **sp. n.** Buru I. (Moluccas) p. 25 fig., KLEINE Treubia **7.**

Ceocephalus reichei see *Schizuropterus.*

Ceragogus **gen. n.** for *Cyphagogus appendiculatus* Fairm. p. 190 Madagascar fig., KLEINE Arch. Natg. **90** A 8.

Cerobates tristriatus p. 1, *sexsulcatus* p. 5, larva figs., GARDNER; *collectivus* Burma, *concisus* Ceylon, **spp. n.** p. 130, KLEINE Ind. Forest Rec. **11.**

Cyphagogus humilis **sp. n.** Philippines p. 590, KLEINE Phil. J. Sci. **28.**—*C. frugalis* **sp. n.** Buru I. (Moluccas) p. 16 fig., KLEINE Treubia **7.**—*C. concavus* Penang p. 124, *confertulus* Burma p. 125, *confidens* Siam, *fragosus* Assam p. 126, **spp. n.** figs., KLEINE Ind. Forest Rec. **11.**—*C. corporaali* pupa p. 6 figs., GARDNER t.c.—*C. costipennis* see *Amobaeus, C. appendiculatus* see *Ceragogus.*

Diurus compendiarius **sp. n.** India p. 162 fig., KLEINE Ind. Forest Rec. **11.**

Ectocemus contractus **sp. n.** Cambodia p. 158, KLEINE t.c.

Euphenges distributus Perak, *deliberatus* Bombay, **spp. n.** p. 154, KLEINE t.c.

Genogogus **gen. n.**, *famosus* **sp. n.** Madagascar p. 193, KLEINE Arch. Natg. **90** A 8.

Hemiorychodes **gen. n.** p. 83, *cambodjensis* p. 84, *modestus* p. 86, **spp. n.** Cambodia figs., KLEINE Arch. Natg. **86** A 9 (1920) 1921.—*H. dissonus* Perak p. 146, *curvus* India p. 147, *contextus* Cambodia p. 148, *continens* Penang p. 149, **spp. n.**, KLEINE Ind. Forest Rec. **11.**

Hemisamblus **gen. n.** p. 132, *contemptus* **sp. n.** Laos p. 133, KLEINE t.c.

Henarrhenodes roseni **sp. n.** Sumatra p. 9, KLEINE Mitt. münchn. ent. Ges. **10** 1920.

Henorychodes **gen. n.** p. 85, *pretiosus* p. 87 New Guinea figs., KLEINE Arch. Natg. **86** A 9 (1920) 1921.

Heteroblysmia cava **sp. n.** Penang p. 155, KLEINE Ind. Forest Rec. **11.**

Homophylus mindanensis **sp. n.** Philippines p. 595, KLEINE Phil. J. Sci. **28.**

Hypomiolispa conjugalis Andaman Is. p. 134, *crvda* Assam p. 135, *conjuncta* Tenasserim, *colorata* Ceylon p. 136, **spp. n.** figs., KLEINE Ind. Forest Rec. **11.**

Ithystenus, key p. 27, *furvus* **sp. n.** Buru I. (Moluccas) p. 26 fig., KLEINE Treubia **7.**—*I. franklini*, *mülleri* p. 53, *franklin-mülleri* p. 54, **spp. n.** New Guinea fig., KLEINE in KLEINE, SPAETH and MOSER Ent. Mitt. **14.**

Leptamorphocephalus cuneatus Assam p. 142, *cupidus* India p. 143, **spp. n.**, KLEINE Ind. Forest Rec. **11.**

Mesoderes fucatus **sp. n.** Buru I. (Moluccas) p. 17 fig., KLEINE Treubia **7.**

Metatrachelizus fucosus **sp. n.** Buru I. p. 18 fig., KLEINE t.c.—*M. congruens* **sp. n.** Assam p. 132, KLEINE Ind. Forest Rec. **11.**

Metatrachelus **gen. n.** p. 162, *comparativus* **sp. n.** Penang p. 163, KLEINE t.c.

Microtrachelizus beneficus Assam p. 139, *apertus* Borneo p. 140, **spp. n.**, KLEINE t.c.

Miolispa, key to Moluccan p. 23, *fundata* p. 20, *funebris* p. 21, *fulgida* p. 23, **spp. n.** Buru I., KLEINE Treubia **7.**

Opisthenoxys famulus **sp. n.** India p. 128, KLEINE Ind. Forest Rec. **11.**—*O. boettcheri* **sp. n.** Philippines p. 593, KLEINE Phil. J. Sci. **28.**

Orthopareia **gen. n.** p. 591, *idonea* **sp. n.** Philippines p. 592, KLEINE t.c.

Orychodes key and notes on allied genera p. 70, KLEINE Arch. Natg. **86** A 9 (1920) 1921.

Paramorphocephalus setosus **sp. n.** Philippines p. 597 fig., KLEINE Phil. J. Sci. **28.**

Parorychodes **gen. n.** p. 80, *comes* **sp. n.** Tonkin p. 82 figs., KLEINE Arch. Natg. **86** A 9 (1920) 1921.—*P. cereus* **sp. n.** Assam p. 151, KLEINE Ind. Forest Rec. **11.**

Parusambius **gen. n.**, *fraudulentus* **sp. n.** Assam p. 129 fig., KLEINE t.c.

Paussobrenthus conterminus Cambodia, *concitatus* Andamans p. 141, **spp. n.**, KLEINE t.c.

Perorychodes **gen. n.** p. 145, *arrowi* **sp. n.** India p. 146, KLEINE t.c.

Piazocnemis falsus **sp. n.** Madagascar p. 194, KLEINE Arch. Natg. **90** A 8.

Plesiophocylides **gen. n.** p. 160, *conditus* **sp. n.** India p. 161, KLEINE Ind. Forest Rec. **11.**

Pseudobelopherus deductus **sp. n.** Perak p. 157 fig., KLEINE t.c.

Pseudorychodes damnosus **sp. n.** Perak p. 149 fig., KLEINE t.c.—*P. praeclarus* **sp. n.** Philippines p. 600 fig., KLEINE Phil. J. Sci. **28.**

Rhyticephalus affinis **sp. n.** Madagascar p. 195 figs., KLEINE Arch. Natg. **90** A 8.

Schizoadidactus famatus **sp. n.** Madagascar p. 191 fig., KLEINE t.c.

Schizotrachelus gemellus p. 29, *generalis* p. 30, **spp. n.** Buru I., KLEINE Treubia **7.**—*S. imitator* p. 603, *imbricellus* p. 604, **spp. n.** Philippines figs., KLEINE Phil. J. Sci. **28.**

Schizuropterus **gen. n.** for *Ceocephalus reichei* Chevr. Madagascar p. 194, KLEINE Arch. Natg. **90** A 8.

Suborychodes delectabilis **sp. n.** India p. 150, KLEINE Ind. Forest Rec. **11.**

Teraticorhynchus gen. n. p. 155, *defectus* **sp. n.** Tenasserim p. 157, KLEINE t.c.

Trachelizus dividuus **sp. n.** India p. 131 fig., KLEINE t.c.

ANTHRIBIDAE.

List of Anthribidae of Indo-China, JORDAN Faune ent. Indochine fasc. **6** 1923 pp. 71–113.

Acorynus apatelus p. 79, *salvazai* p. 80, **spp. n.** Tonkin, JORDAN t.c.—*A. aspersus*, *silvanus* **spp. n.** Assam p. 290, JORDAN Nov. Zool., Tring **32.**

Anthribus niveirostris see *Dissoleucas*.

Apolecta fasciata **subsp. n.** *pardalina*; *cleora* **sp. n.** Philippines p. 257, JORDAN Nov. Zool. **32.**—*A. melampus* **sp. n.** Tonkin p. 108, JORDAN Faune ent. Indochine fasc. **6** 1923.

Asemorhinus nubilosus **subsp. n.** *indochinensis* Tonkin p. 91, JORDAN Faune ent. Indochine fasc. **6** 1923.

Atinellia **gen. n.**, *senex* **sp. n.** Ceylon p. 252, JORDAN Nov. Zool. **32.**

Cedus valens **sp. n.** Assam p. 239, JORDAN t.c.

Cercomorphus key, *syrticus* **sp. n.** N. Africa p. 17, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**—*C. syriacus* **sp. n.** Syria p. 10, PIC Échange [**40**] **41.**

Cleorisintor **gen. n.** p. 90, *glaucus* **sp. n.** Tonkin p. 91, JORDAN Faune ent. Indochine fasc. **6** 1923.

Dendrotrogus conspectus p. 93, *reticulatus* p. 94, **spp. n.** Laos, JORDAN t.c.

Directarius brevis **sp. n.** W. Sumatra, p. 238, JORDAN Nov. Zool. **32.**

Dissoleucas **gen. n.** for *Anthribus niveirostris* F. p. 252, JORDAN t.c.

Exillis carinatus p. 261, *laticeps* p. 262, *luteus* p. 263, *asper* p. 264, **spp. n.** Sumatra, *longicornis* Pasc. described p. 263, JORDAN Ann. Mag. N. H. (9) **16.**

Gulamentus lujia **sp. n.** Congo p. 246, JORDAN Nov. Zool. 32.

Habrissus parvus **sp. n.** Philippines p. 101, HELLER Ent. Bl. **21.**—*H. fulvaster* **sp. n.** Tonkin p. 87, JORDAN Faune ent. Indochine fasc. **6** 1923.

Hypseus alphus Laos p. 88, *camelinus* Tonkin p. 89, **spp. n.**, JORDAN t.c.

Idiopus franklini-mülleri **sp. n.** New Guinea p. 165, WOLFRUM Ent. Mitt. **14.**

Litocerus phelus **sp. n.** Assam p. 239, JORDAN Nov. Zool. **32.**—*L. thaus* **sp. n.** Laos p. 80, JORDAN Faune ent. Indochine fasc. **6** 1923.—*L. tenuipictus* p. 104, *ancoralis* p. 105, **spp. n.** Philippines fig., HELLER Ent. Bl. **21.**

Mallorrhynchus **gen. n.**, *hilaris* type, *assimilis* Dutch New Guinea p. 254, *gravis*, *parcus* Philippines p. 255, *bicolor* Borneo, *laetus* p. 256, *disertus* p. 257 Perak, **spp. n.**, JORDAN Nov. Zool. **32.**

Mecocerina t-littera p. 103, *basilana* p. 104, **spp. n.** Philippines fig., HELLER Ent. Bl. **21.**

Mecocerus philippinensis **subsp. n.** *nigrotesselatus* Philippines p. 98 fig., HELLER t.c.

Mecotropis nigropunctatus, *nigropicturatus* **spp. n.** Philippines p. 99 fig., HELLER t.c.

Meganthribus bakeri **sp. n.** p. 97, *pupa* **ab. n.** *confluens* p. 98, Philippines, fig., HELLER t.c.

Mucronianus rufipes **subsp. n.** *philippinensis* p. 105 fig., HELLER t.c.—*M. virgatus* **sp. n.** Laos p. 85, JORDAN Faune ent. Indochine fasc. **6** 1923.—*M. tibioclaratus* **sp. n.** New Guinea p. 165, WOLFRUM Ent. Mitt. **14.**

Nerthomma inops, *prominens* **spp. n.** Sumatra p. 261, JORDAN Ann. Mag. N. H. (9) **16.**

Nessiodocus **gen. n.** (near *Mucronium*) p. 106 type *jordani*, *wolfrumi* **spp. n.** p. 107 Philippines, HELLER Ent. Bl. **21.**

Ormiscus alienus see *Uncifer.*

Phloeobius laetus Cochin-China, *vicinus* p. 103, *latifrons* p. 104 Tonkin, **spp. n.**, JORDAN Faune ent. Indochine fasc. **6** 1923.

Phloeopemon vitalisi **sp. n.** Laos p. 73, JORDAN t.c.

Physopterus oculatus, *aspersus*, *leucopus* Tonkin p. 76, *cupitus* Laos p. 78, **spp. n.**, JORDAN t.c.

Rawasia quadrimaculata **sp. n.** Tonkin p. 92, JORDAN t.c.

Rhaphitropis, selected type *marchicus* Herbst p. 257, *gracilis*, *vittatus* **spp. n.** Sumatra p. 258, JORDAN Ann. Mag. N. H. (9) **16.**—*R. oblongus* p. 246, *gibba* p. 249 Philippines, *limbalis* Celebes, *placidus* p. 247, *capucinus* Perak, *indicus* p. 248, *cor* p. 249, *stevensi* India, *tamilis* p. 250 Ceylon, *asterias* Woodlark I., *stephanus* New Guinea p. 251, **spp. n.**, JORDAN Nov. Zool. **32.**—*R. turgidus* see *Uncifer.*

Sintor melanipus **sp. n.** Laos p. 89, JORDAN Faune ent. Indochine fasc. **6** 1923.

Stiboderes **gen. n.** type *Xylinades chevrolati* Rits., *cavifer* Java, *subtilis* Borneo **spp. n.** p. 243, JORDAN Nov. Zool. **32.**

Straboscopus sanguinipes **subsp. n.** *fulvaster* Tonkin p. 87, JORDAN Faune ent. Indochine fasc. **6** 1923.

Sympaector x-album, *charopus* **spp. n.** Laos p. 84, JORDAN t.c.

Taphrodes **gen. n.** type *Xylinades marmoratus* Roel. p. 243, *monilis*, *pellax*, Sumatra, *ornatus* Borneo **spp. n.** p. 244, JORDAN Nov. Zool. **32.**

Tophoderes atylus, *ferranti* **spp. n.** Madagascar p. 242, JORDAN t.c.

Tropideres calliergus **sp. n.** Tonkin p. 82, JORDAN Faune ent. Indochine fasc. **6** 1923.—*T. vigens* **sp. n.** Assam p. 239, JORDAN Nov. Zool. **32.**

Tropidobasis pelina **sp. n.** Laos p. 107, JORDAN Faune ent. Indochine fasc. **6** 1923.

Uncifer exilis Perak p. 252, *cyphonides* N. Borneo, *diffinis* Ceylon p. 253, **spp. n.**, JORDAN Nov. Zool. **32.**—*U.*, *Ormiscus alienus* Jord. & *Rhaphitropis turgidus* Jord. transferred to, *basalis* **sp. n.** Sumatra p. 259, JORDAN Ann. Mag. N. H. (9) **16.**

Urodon transferred to Bruchidae p. xcviii, JORDAN Trans. Ent. Soc. Lond. **1924.**

Xenocerus hamifer, *trapezifer* p. 102, *siccus* p. 103, **spp. n.** Philippines fig., HELLER Ent. Bl. **21.**—*X. khasianus* **subsp. n.** *dives* Annam p. 100, JORDAN Faune ent. Indochine fasc. **6** 1923.

Xylinades integer **sp. n.** Philippines p. 100, HELLER Ent. Bl. **21.**—*X. beesoni* Madras p. 240, *limbalis*, *furus*, Borneo p. 245, **spp. n.**, JORDAN Nov. Zool. **32.**—*X. moles* Tonkin p. 95, *adductus* Laos p. 96, **spp. n.**, JORDAN Faune ent. Indochine fasc. **6** 1923.—*X. chevrolati* see *Stiboderes*.—*X. marmoratus* see *Taphrodes*.

Zygaenodes vigens **sp. n.** Sumatra p. 260, JORDAN Ann. Mag. N. H. (9) **16.**—*Z. triangularis* **sp. n.** India p. 240, JORDAN Nov. Zool. **32.**

PRIONIDAE.

Delochilus obscurus **sp. n.** Natal p. 1, AURIVILLIUS Ark. Zool. **17A** no. 12.

Falsopriona **gen. n.** *luteopubens* **sp. n.** Saïgon p. 3, PIC Échange [**40**] **41.**

Nothophysis rugosiceps **sp. n.** Egypt p. 404 fig., PIC Bull. Soc. R. ent. Égypte **1924.**

Osphryon spiniscapus **sp. n.** New Guinea p. 57, SCHWARZER Nova Guinea **15** 1924.

CERAMBYCIDAE.

Notes on E. Siberian Cerambycids with synonymy, BAECKMANN Rev. russe Ent. **18** 1924 pp. 229–254.

Notes on Cerambycidae, CHAMPLAIN, KIRK & KNULL Ent. News **36** pp. 105–109, 139–142.

Notes on Longicornia of Poland, CISZKIEWICZ Polsk. Pismo ent. **4** pp. 209–215.

Identification of immature stages of Indian Cerambycini with key pp. 89–105 figs., GARDNER Ind. Forest Rec. **12.**

Synonymy of some Cerambycids, JACOBSON Rev. russe Ent. **18** 1924 pp. 238–239.

Classification of some Brazilian Compsocerinae, MELZER Rev. Mus. S. Paulo **10** 1918 pp. 420–435 fig.

Preliminary list of Cerambycidae of Cranberry Lake Region, N.Y., MUNDINGER New York State Coll. Forestry Tech. Pubn. **17** 1924 pp. 316–320.

Japanese Longicorn Beetles, I., SUZUKI Tsuzoku Konchû Zasshi **1** no. 3 1923 pp. 3–15 1 pl.

Amphidesmus robustus **sp. n.** Belgian Congo p. 53, AURIVILLIUS Rev. zool. afr. **13.**

Aphrodisium tonkineum p. 17, *semipurpureum*, *tricoloripes* Tonkin, *thibetanum* Tibet **spp. n.**, *saxosicolle* **varr. n.** *notatipes*, *bicoloripes* China p. 18, PIC Mél. Exot. Ent. **44.**—*A.* ? *semivelutinum* **sp. n.** Formosa p. 24, SCHWARZER Ent. Bl. **21.**

Aromia faldermanni **varr. n.** *basalis*, *obscurithorax* China p. 19, PIC Mél. Exot. Ent. **44.**

Atenizus (?) *taunayi* **sp. n.** Brazil p. 426 fig., MELZER Rev. Mus. Paulista **12** 1920 Pt. II.

Boucardia **gen. n.** *nigroapicalis* **sp. n.** Sumatra p. 31, PIC Mél. Exot. Ent. **44.**

Brachysarthron bicoloripes Gabun p. 8, *inerme* Angola p. 9, **spp. n.**, AURIVILLIUS Ark. Zool. **17A** no. 12.

Brasilianus **n.n.** for *Hamaticherus* Serv. 1834 nec Germ. 1824 p. 238, JACOBSON Rev. russe Ent. **18** 1924.

Callichroma bimaculata **var. n.** *diversicornis* Yunnan p. 19, PIC Mél. Exot. Ent. **44.**—*C.* (**subgen. n.** *Xystochroma*) p. 301, *equestriforme*, *setigerum* p. 302, *planipenne* p. 303, (**subgen. n.** *Mionochroma* p. 304), *aurosum* p. 308, *wilkei* p. 309, *decipiens* p. 311, *omissum*, *spinosissimum* p. 313, *seiunctum* p. 314, (*Callichroma* s. str. p. 315), *hoffmannsi* p. 316, *atroviride* p. 319, (**subgg. n.** *Diotecnon* p. 377, *Xenochroma*) *subpulvereum* p. 378, *subcomosum* (**subgen. n.** *Cnemidochroma*) *fulgidum* p. 380, *ohausi*, *phyllopoides* p. 381 **spp. n.**; (*Callichroma* s. str.) *gounellei* **subsp. n.** *rubricrus* p. 317; *auricomum* **subspp. n.** *viridescens*, *rubescens*, *cyanescens* p. 320 America,

Oides key p. 10, *fryi* **var. n.** *obsoleta* Australia p. 12, *bimaculicollis* p. 13, *variivitta*, *polita* p. 14, *sexmaculipennis*, *arithmetica* p. 15, **spp. n.** Queensland, LEA t.c.—*O. niasensis* **sp. n.** Lahago Central p. 244, BOWDITCH Psyche **32.**—*O. bakeri* p. 609, *ovalis* p. 610, **spp. n.** Philippines fig., LABOISSIÈRE Phil. J. Sci. **28.**—*O. basella* **n. n.** for *basalis* Tryon nec Guér., *bitaeniata* **n. n.** for *bivittata* Weise nec Gahan p. 38, LABOISSIÈRE Encyc. ent. Ser. B. II. Col. **1.**

Pyrrhalta viburni **var. n.** *nigrescens* Germany p. 80, OCHS Senckenbergiana **7.**

Rupilia key p. 3, *insignis* p. 4, *suturalis* N. Territory, *cavicollis* Queensland p. 5, *viridipennis* N.S. Wales p. 6, *cribrata* N. Territory, *tricolor* N.W. Australia p. 7, *microptera* S. Australia p. 8, **spp. n.**, LEA Proc. R. Soc. Victoria **37.**

Scelolyperus tenuimarginata Brazil, *rosenbergi* Colombia, **spp. n.**, p. 264, BOWDITCH Psyche **32.**

HISPIDAE.

Anisostena californica **sp. n.** California p. 170, VAN DYKE Pan-Pacific Ent. **1.**

Brachycoryna dolorosa **sp. n.** California, *hardyi* Crotch (= *horni* Weise) p. 171, VAN DYKE t.c.

Brontispa selebensis **sp. n.** Celebes p. 16, GESTRO Ann. Mus. Gen. **51** 1923.

Callispa elongata **sp. n.** Tonkin p. 24, PIC Échange **39** 1924.—*C. mungphua* Maulik (=*latipennis* Pic), MAULIK Entomologist **58.**

Dactylispa masonii China p. 9, *agilis* Bengal p. 11, *fleutiauxii* Tonkin p. 12, *daiacca* Borneo p. 14, **spp. n.**, GESTRO Ann. Mus. Gen. **51** 1923.

Leptispa notaticollis, *perforata* p. 15 Africa, *atripes* Tonkin, *latior*, *donckieri*, *angustata* Madagascar p. 16, **spp. n.**, PIC Mél. Exot. Ent. **43.**

Microrrhopala rubrolineata key to varieties, **var. n.** *militaris* California p. 173, VAN DYKE Pan-Pacific Ent. **1.**

Octotoma germaini **sp. n.** Bolivia p. 1, PIC Mél. Exot.-Ent. **44.**

Oxycephala corrected to *Xiphispa* p. 61, PIC Bull. Soc. ent. Fr. **1925.**

Physocoryna expansa **sp. n.** Fr. Guiana p. 1, PIC Mél. Exot.-Ent. **44.**

Platypria (*Dichirispa*) *auromicans* **sp. n.** Uganda p. 8, GESTRO Ann. Mus. Gen. **51** 1923.

Thoracispa schoutedenii **sp. n.** B.E.A. Zuwani p. 20, GESTRO t.c.

Xiphispa correction for *Oxycephala* p. 61, PIC Bull. Soc. ent. Fr. **1925.**

CASSIDIDAE.

Cassida franklin-mülleri **sp. n.** Rhodesia, Transvaal, p. 55, SPAETH in KLEINE, SPAETH and MOSER Ent. Mitt. **14.**—*C. bakeri* p. 125, *basilana* p. 128, **spp. n.** Philippines, SPAETH Phil. J. Sci. **27.**

Hoplionota butuana p. 577, *demutata*, *sibuyana* p. 579, *impicta* p. 580, *formosa* p. 582, *negrosia* p. 583, *delicatula* p. 584, *corpulenta* p. 586, *surigaoensis* p. 587, **spp. n.** Philippines, SPAETH Phil. J. Sci. 28.

Porphyraspis reis-magalhaesi **sp. n.** Brazil p. 72 fig., BONDAR O Cacao, Parte II.

Prioptera decemmaculata early stages India p. 1087 figs., MAULIK & DOVER Proc. Zool. Soc. **1924.**—*P.*, key p. 381, *vicina* Philippines p. 387, *gibbifera* Borneo p. 390, *morigera* p. 392, *puellaris* p. 394, *secreta* p. 401 Philippines, *encausta* p. 402, *pudica* p. 403, *cerata* p. 404 Cochin-China, *bakeri* p. 412, *sospes* p. 414, *subopaca* p. 416, *trux* p. 418, *ceramensis* p. 419, *amboinica* 420, *sulana* p. 422, *joloana* p. 423, *impacata* p. 427, *scheerpeltzi* p. 431, *timorensis* p. 432 Philippines, *prognata* India p. 433, **spp. n.** figs., SPAETH Phil. J. Sci. **28.**

EXTINCT ALLIED ORDERS AND FAMILIES.

†Permophilidae **fam. n.** Upper Permian Belmont N.S.W. p. 430 fig., TILLYARD Proc. Linn. Soc. N.S.W. **49** 1924.

†*Permophilus* **gen. n.** *pincombei* p. 430, *minor* p. 431, **spp. n.** Upper Permian Belmont figs., TILLYARD t.c.

†Permosynidae **fam. n.** Upper Permian Belmont p. 431, TILLYARD t.c.

†*Permosyne* **gen. n.** key p. 431, *belmontensis*, *affinis*, *mitchelli*, *pincombeae* **spp. n.** Upper Permian Belmont p. 433 figs., TILLYARD t.c.

†Protocoleoptera **ord. n.**, Protocoleidae **fam. n.** Upper Permian Belmont p. 434 fig., TILLYARD t.c.

†*Protocoleus* **gen. n.** *mitchelli* **sp. n.** Upper Permian Belmont p. 434 figs., TILLYARD t.c.

LEPIDOPTERA.

Catalogue of Lepidoptera of Gironde, Actes Soc. linn. Bordeaux **77** pp. 5–13.

Some phases of parallel variation in British Lepidoptera, ADKIN Proc. S. London Ent. & N.H. Soc. **1924-25** pp. 8–15 3 pls. ; and Trans. Eastbourne Nat. Hist. Soc. **9** pp. 2–10.

Notes on some species of Lepidoptera in relation to the Stretch Collection, BARNES & BENJAMIN Pan-Pacific Ent. **1** pp. 127–138, 164–169.

List of apocryphal Dutch Macrolepidoptera, BENTINCK Ent. Ber. **7** pp. 1–14.

Lepidoptera of the Scilly Isles, BLAIR Entomologist **58** pp. 3–10.

Lepidoptera of Allier, France, du BUYSSON Rev. sci. Bourbonn. **1925** pp. 1–23.

Classification of Lepidoptera of Ecuador, CAMPOS Rev. Col. Nac. Vic. Rocafuerte **1921** no. 4 pp. 16–59.

Butterflies and moths of the Hautes Pyrenées, COOKE Entomologist **58** pp. 87, 119, 201.

Notes on Lepidoptera from the Stötzner collections, DRAESEKE Iris **39** pp. 48–57.

Lepidoptera of the Central Rhodope Mountains, Bulgaria, DRENOVSKI Zs. wiss. Insektenbiol. **20** 1–5, 28–32, 39–44.

The male genitalia of Palaeosetidae compared with other Lepidoptera Homoneura, EYER Proc. Linn. Soc. N.S.W. **50** pp. 267–271 figs.

The pupae of the Macrolepidoptera, FINGERLING Ent. Jahrb. Leipzig **1894** pp. 152–166.

Comparative study of poison apparatus of certain Lepidopterous larvae, GILMER Ann. Ent. Soc. Amer. **18** pp. 203–239 figs.

List of Lepidoptera of Constantinople, GRAVES Entomologist **58** pp. 191–194, 242–245, 260–262, 291–294.

Aberrations of Lepidoptera in Northern Ireland, GREER Entomologist **58** p. 1 1 pl.

List of Lepidoptera of the Volga district, GROSS Int. Ent. Ver. Buchbeilage **1925** pp. 53–95.

List of papers on melanism in Lepidoptera, HASEBROEK Fermentforschung **8** pp. 197–226.

Morphological notes on Lepidoptera from Frankfort on M., HEPP Ent. Zs. **39** pp. 46–47, 49–50.

Study and collection of butterflies in Mexico, HOFFMANN Mem. Soc. Aut. Alzate **41** 1922–23 pp. 441–525 44 figs.

Lepidoptera of Styria (Papilionidae to Geometridae), exhaustive faunistic survey with numerous biological notes, HOFFMANN & KLOS, Mitt. Natw. Ver. Steierm. Graz **50** 1914 pp. 184–323 ; **51** 1915 pp. 249–441 ; **52** 1916 pp. 91–243 ; **53** 1917 pp. 47–209 ; **54** 1918 pp. 89–160 ; **55** 1919 pp. 1–86.

Biological notes on S. American Lepidoptera, JORGENSEN Rev. Soc. cient. Paraguay **1** 1924 pp. 84–89.

First supplementary list of Lepidoptera of Perm Government, KOLOSOV Bull. Soc. oural. d'Amis Sci. nat. **39** 1924 pp. 76–79.

Macrolepidoptera of Poland, KREMKY Polsk. Pismo ent. **4** pp. 35–62.

Handbook of practical entomology, Part I, Lepidoptera, LEDERER B. Spezieller Teil **3** (1923) 1925 172 pp.

Enumeration of the butterflies and moths from Saghalien, MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15** pp. 83–196 4 pls.

List of Macrolepidoptera in Pomerania, MEYER and others Stettin. ent. Ztg. **85** pp. 79–132 ; **86** pp. 101–166.

Genitalia of Lepidoptera, MÜLLER-RUTZ Mitt. Schweiz. ent. Ges. **13** pp. 429–434 figs.

Lepidoptera of South Bavaria, OSTHELDER Beilage zum XV. Jahrgang der Münchener Ent. Ges. **1925** 166 pp. 7 pls.

Lepidoptera of Estland, PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902** sep. pp. 1–217.

Lepidopterous Fauna of Estonia, PETERSEN Teil I pp. 1–316 ; II pp. 317–590 **1924**.

Temnopis signaticornis **sp. n.** Brazil p. 421 fig., MELZER Rev. Mus. Paul. **12** 1920 Pt. II.

Tenebriocephalon **gen. n.** *piceum* (with **var. n.** *rufum*) Yunnan, *thoracicum* China, **spp. n.** p. 10, PIC Mél. Exot. Ent. **44.**

Tetropiopsis major **sp. n.** Sinai p. 30, PIC Échange **39** 1924.

Tetropium gabrieli **var. n.** *bicolor* Alps p. 13, PIC Échange [40] **41.**

Thranius formosanus, signatus **spp. n.** Formosa p. 23, SCHWARZER Ent. Bl. **21.**

Trypogeus javanicus **sp. n.** Java p. 2, AURIVILLIUS Ark. Zool. **17A** no. 12.

Xenochroma **subgen. n.** see *Callichroma.*

Xoanodera maculata **sp. n.** Formosa p. 21, SCHWARZER Ent. Bl. **21.**

Xylotrechus irinae **sp. n.** Siberia p. 360, PLAVILSTSHIKOV Ent. Mitt. **14.**—*X. rouyeri* Java p. 19, *bicoloricornis* Borneo, *abyssinicus* Abyssinia (with **var. n.** *ruficolor*), *uniannulatus* Tonkin p. 20 **spp. n.** ; *trinotatus* **var. n.** *rufofasciatus* Malacca p. 19, PIC Mél. Exot. Ent. **44.**—*X. basalis* p. 25, *formosanus* **spp. n.**, *chinensis* **var. n.** *sauteri* p. 26 Formosa, SCHWARZER Ent. Bl. **21.**

Xystochroma **subgen. n.** see *Callichroma.*

LAMIIDAE.

Abryna subuniformis **sp. n.** China p. 30, PIC Mél. Exot. Ent. **43.**—*A.* (**subgen. n.** *Microabryna*), *mediodentata* **sp. n.** Tonkin p. 28, PIC op. cit. **44.**—*A. obscura* **sp. n.** Formosa p. 65, SCHWARZER Ent. Bl. **21.**

Acanthocinus annamensis **sp. n.** Annam p. 139, PIC Bull. Soc. ent. Fr. **1925.**

Achthophora trifasciata **sp. n.** p. 427, **subsp. n.** *annulicornis*, *humeralis* **subsp. n.** *ferruginea* p. 428 Philippines, HELLER D. ent. Zs. **1924.**

Aegocidnus flavomaculatus **sp. n.** Philippines p. 266, FISHER Phil. J. Sci. **28.**

Aeschopalea asiatica **sp. n.** Tonkin p. 16, PIC Échange [40] **41.**

Agelasta tonkinea **sp. n.** Tonkin p. 188, PIC Bull. Soc. ent. Fr. **1925.**—*A. pardalina* **sp. n.** p. 430, **subsp. n.** *subana* p. 431 Philippines, HELLER D. ent. Zs. **1924.**—*A. formosana* **sp. n.** Formosa p. 61, SCHWARZER Ent. Bl. **21.**

Agnia sulfureomaculata **sp. n.** Philippines p. 426 fig., HELLER D. ent. Zs. **1924.**

Albana laterialba **sp. n.** Formosa p. 68, SCHWARZER Ent. Bl. **21.**

Alidus multilineatus p. 24, *tonkineus* (with **var. n.** *minutus* China) Tonkin, *notaticeps* S. India p. 25, **spp. n.**, PIC Mél. Exot. Ent. **43.**

Alphitopola gahani **sp. n.** Semliki Valley (Africa), p. 3, AURIVILLIUS Ark. Zool. **17B** no. 2.

Anagelasta **gen. n.** p. 31, *apicalis* **sp. n.** p. 32 China, PIC Mél. Exot. Ent. **43.**

Anapomecyna **gen. n.**, *luteomaculata* **sp. n.** Laos p. 29, PIC t.c.

Anapophrena **gen. n.** p. 28, *luteonotata* **sp. n.** p. 29 Tonkin, PIC t.c.

Annamanum **gen. n.** p. 23, *vitalisi* **sp. n.** p. 24 Annam, PIC t.c.

Apalimna palimnoides **sp. n.** Formosa p. 62, SCHWARZER Ent. Bl. **21.**

Aprophata puncticornis **sp. n.** Philippines p. 434, HELLER D. ent. Zs. **1924.**

Arrhenotus heurni **sp. n.** New Guinea p. 58, SCHWARZER Nova Guinea **15** 1924.

Aserixia **gen. n.** *savioi* **sp. n.** China p. 31, PIC Mél. Exot. Ent. **44.**

Ataxia variegata **sp. n.** Cuba p. 1, FISHER Amer. Mus. Novit. no. **174.**

Atimura fulva **sp. n.** Formosa p. 145, SCHWARZER Ent. Bl. **21.**

Axiothea flavoguttata **sp. n.** New Guinea p. 14 fig., AURIVILLIUS Ark. Zool. **17A** no. 12.

Batocera kibleri **sp. n.** Solomon Is. p. 81, SCHWARZER Senckenbergiana **7.**—*B. punctata* **sp. n.** ; *lineolata* **var. n.** *variecollis* Formosa p. 60, SCHWARZER Ent. Bl. **21.**

Blepephaeus irregularis Cambodia p. 17, *vitalisi* Laos p. 18, **spp. n.**, PIC Mél. Exot. Ent. **43.**—*B. nigrosparsus* **sp. n.** China p. 28, PIC op. cit. **44.**

Blepisanis flaviceps **sp. n.** Belgian Congo p. 55, AURIVILLIUS Rev. zool. afr. **13.**—*B. insignis* **var. n.** *nigripes*

Kenya p. 20, AURIVILLIUS Ark. Zool. **17A** no. 12.—*B. cincticollis* **sp. n.** E. Africa p. 5, AURIVILLIUS op. cit. **17B** no. 3.

Bumetopia oscitans **varr. n.** *variegata, plagiata* Formosa p. 64, SCHWARZER Ent. Bl. **21.**

Cacia lacrimosa **subsp. n.** *evittata, vermiculata* **ab. n.** *dissoluta* Philippines p. 430, HELLER D. ent. Zs. **1924.**—*C. thibetana* **sp. n.** Tibet p. 27, PIC Mél. Exot. Ent. **44.**—*C. ligata* **sp. n.** New Guinea p. 58, SCHWARZER Nova Guinea **15** 1924.

Callienispia **gen. n.** (near *Enispia*) p. 210, *elegans* (type) Philippines p. 211, *minuta* Singapore p. 212, **spp. n.**, FISHER Phil. J. Sci. **28.**

Calocosmus fulvicollis p. 13, *chevrolati* p. 14, *hispaniolae* p. 15, **spp. n.** West Indies, FISHER Amer. Mus. Novit. no. **174.**

Camptocnema plagifera **sp. n.** Java p. 15 fig., AURIVILLIUS Ark. Zool. **17A** no. 12.

Camptomyne philippinus p. 271 (with **var. n.** *unicolor* p. 272), *insularis* p. 273, **spp. n.** Philippines, FISHER Phil. J. Sci. **28.**—*C.* ? *variepennis* **sp. n.** Formosa p. 147, SCHWARZER Ent. Bl. **21.**

Cereopsius decolorata **sp. n.** (with **var. n.** *annulicorne*) Formosa p. 59, SCHWARZER t.c.

Ceroplesis collaris **ab. n.** *defecta* (Cape Colony ?), *intermedia, rubrovariegata* **spp. n.** E. Africa p. 11, AURIVILLIUS Ark. Zool. **17A** no. 12.—*C. sudanica* **sp. n.** Sudan p. 3, AURIVILLIUS op. cit. **17B** no. 2.—*C. rugosopunctata* **sp. n.** p. 3, (with **var. n.** *nigricollis* p. 4) E. Africa, AURIVILLIUS op. cit. **17B** no. 3.

Chambaganorum **gen. n.**, *angustatum* **sp. n.** S. India p. 27, PIC Mél. Exot. Ent. **43.**

Cleptometopus truncatus **sp. n.** Sumatra p. 3, AURIVILLIUS Ark. Zool. **17B** no. 1.

Closteromerus (*Hypocrites*) *elgonensis* **sp. n.** E. Africa p. 3, AURIVILLIUS op. cit. **17B** no. 3.

Coptops anancyloides **sp. n.** Formosa p. 61, SCHWARZER Ent. Bl. **21.**—*C.* Pascoe nec Serville see *Mutatocoptops.*

Cyardium obscurum **sp. n.** Nias Is. (Sumatra) p. 15, AURIVILLIUS Ark. Zool. **17A** no. 12.

Cylindrippomus (**subgen. n.** *Microlenecamptus*) *albonotatus* **sp. n.** Tonkin p. 22, PIC Mél. Exot. Ent. **43.**

Cyriotasiastes **gen. n.** p. 425, *hepaticus* **sp. n.** Luzon p. 426, HELLER D. ent. Zs. **1924.**

Daphisia makilingi p. 435, *transversonotata* p. 436, **spp. n.** Philippines, HELLER t.c.—*D. formosana* **sp. n.** Formosa p. 153, SCHWARZER Ent. Bl. **21.**

Dichostathes magnus **sp. n.** Nyasaland p. 12 fig., AURIVILLIUS Ark. Zool. **17A** no. 12.

Dinocephalus nigroannulatus **sp. n.** E. Africa p. 10, AURIVILLIUS t.c.

Diochares desertus **subsp. n.** *taeniotinus* Philippines p. 424, HELLER D. ent. Zs. **1924.**—*D. griseomaculatus* see *Orsidis.*

Ebaeides borneensis p. 225, *fulva* p. 226 Borneo, *basalis* p. 227, *pilosicornis* p. 228, *albopicta* p. 229, *hirsuta* p. 230, *montana* p. 231 Philippines **spp. n.** FISHER Phil. J. Sci. **28.**

Eczemotellus **gen. n.**, *subtilipictus* **sp. n.** Philippines p. 432, HELLER D. ent. Zs. **1924.**

Emeopedus longicornis **sp. n.** Borneo p. 275, FISHER Phil. J. Sci. **28.**

Enaretta acaciarum **sp. n.** Bechuanaland p. 16, *intermedia* **sp. n.** (?) Transvaal p. 17, AURIVILLIUS Ark. Zool. **17A** no. 12.

Enes luzonicus p. 254, *marmoratus* p. 255, *pallidus* p. 256, *spinosus* p. 257, *bakeri* p. 258, *sibuyana* p. 260, *setiger* p. 261, *scutellaris* p. 262, **spp. n.** Philippines, FISHER Phil. J. Sci. **28.**

Enispia pulchra p. 206, *similis* p. 207 Borneo, *ornata* p. 208, *fusca* p. 209, Philippines, **spp. n.**, FISHER t.c.—*E. formosana* **sp. n.** Formosa p. 68, SCHWARZER Ent. Bl. **21.**

Eoporimimus **subgen. n.** see *Eoporis.*

Eoporis curtithorax **sp. n.** Tonkin p. 30, PIC Mél. Exot. Ent. **43.**—*E.* (*Eoporimimus* **subgen. n.**) *bifasciana* **sp. n.** Formosa p. 147, SCHWARZER Ent. Bl. **21.**

Epepeotes uncinatus var. n. *salvazai*, *imbasalis* Laos p. 18, *unimaculatus* Cambodia, *multinotatus* Japan p. 19 spp. n., Pic Mél. Exot. Ent. **43**.

Ereis multimaculata p. 24, *subfasciata albofasciata*, *bifasciata* p. 25, spp. n. Tonkin, Pic op. cit. **44**.

Eryssamena bispinosa sp. n. China p. 302, Pic Bull. Soc. ent. Fr. **1925**.—*E. 4-notata*, *robusta* p. 30, *minuta* Tonkin, *tuberculata* p. 31 China, spp. n., Pic Mél. Exot. Ent. **43**.

Eunidia deceptrix sp. n. Belgian Congo p. 54, Aurivillius Rev. zool. afr. **13**.—*E. annulata* sp. n. Nyasaland p. 16, Aurivillius Ark. Zool. **17A** no. 12.—*E. lindblomi* sp. n. E. Africa p. 4, Aurivillius op. cit. **17B** no. 3.

Eupogonius knabi p. 15, *marmoratus* p. 16, spp. n. Mexico, Fisher Proc. Ent. Soc. Wash. **27**.

Eustathes apicalis sp. n. Sumatra p. 4, Aurivillius Ark. Zool. **17B** no. **1**.

Exocentrus subglaber Borneo p. 238, *mindanaoensis* p. 239, *alboguttatus* p. 240, *badius* p. 242, *albovarius* p. 243 Philippines, *hirtus* Borneo p. 245, *philippinus* p. 246, *angusticollis* p. 248 Philippines spp. n., Fisher Phil. J. Sci. **28**.—*E. coomani* sp. n. Tonkin p. 137, *curtipennis* var. n. *savioi* China p. 138, Pic Bull. Soc. ent. Fr. **1925**.—*E. subfasciatus* S. India, *tonkineus* Tonkin, spp. n. p. 31, Pic Mél. Exot. Ent. **43**.—*E. seriatomaculatus* sp. n. Formosa p. 147, Schwarzer Ent. Bl. **21**.

Falsoereis gen. n., *cephalotes* sp. n. Tonkin p. 25, Pic Mél. Exot. Ent. **44**.

Falsomesosella gen. n. *albofasciata*, *minor* spp. n. Yunnan p. 27, Pic t.c.

Falsoniphona gen. n. p. 26, *lutea* sp. n. Tonkin p. 27, Pic t.c.

Falsoxynenon gen. n. *convexum* sp. n. Sikkim p. 26, Pic Mél. Exot. Ent. **43**.

Glenea fruhstorferi, *iolia* p. 18, *craengiana* (with var. n. *diffusa* p. 20) p. 19 Celebes spp. n.; *dimidiata* var. n. *sumbavana* Sumbava p. 20, Aurivillius Ark. Zool. **17A** no. 12.—*G. bicolor* sp. n. New Guinea p. 60, Schwarzer Nova Guinea **15** 1924.—*G. annulicornis* p. 149, *sauteri*, *formosana* (with ab. n. *lineatomaculata*) p. 150, *acutoides*, *lacteomaculata* p. 151, *diversenotata*, *chrysomaculata* (with ab. n. *conjuncta*) p. 152, spp. n. Formosa, Schwarzer Ent. Bl. **21**.

Hippardium gen. n. p. 21, *vittatum* sp. n. Java p. 22, Pic Mél. Exot. Ent. **43**.

Hirtaeschopalaea gen. n. *albolineata* sp. n. Tonkin p. 22, Pic t.c.

Ipochus insularis sp. n. San Benito I. p. 340, Blaisdell Proc. Cal. Acad. Sci. (4) **14**.

Languriomorpha gen. n. (near *Phlyarus* and *Camptomyne*) p. 273, *bicolor* sp. n. Borneo p. 274, Fisher Phil. J. Sci. **28**.

Leiopus atrovittatus p. 9, *variabilis* p. 11, *laticollis* p. 12, spp. n. West Indies, Fisher Amer. Mus. Novit. no. **174**.—*L. nebulosus* var. n. *siculus* Sicily p. 22, Pic Échange **39** 1924.

Leptostylus pusillus sp. n. Florida p. 167, Blatchley Can. Ent. **57**.—*L. gundlachi* p. 2, *bahamicus* p. 3, *poeyi* p. 4, *antillarum* p. 5, *cristatus* p. 7, spp. n. West Indies, Fisher Amer. Mus. Novit. no. **174**.—*L. knulli* sp. n. Maryland p. 103, Fisher Proc. Ent. Soc. Wash. **27**.

Lepturges minutus sp. n. Louisiana p. 207, Champlain & Knull Ent. News **36**.—*L. neomexicanus* sp. n. New Mexico p. 470, Champlain & Knull Ann. Ent. Soc. Amer. **18**.

Linda signaticornis sp. n. Formosa p. 154, Schwarzer Ent. Bl. **21**.

Lychrosimorphus gen. n. *vittatus* sp. n. Tonkin p. 26, Pic Mél. Exot. Ent. **43**.

Macrocelosterna gen. n. p. 3, *rubra* sp. n. Annam p. 4, Pic Échange [**40**] **41**.

Mandibularia gen. n. *nigriceps* sp. n. Tonkin p. 24, Pic Mél. Exot. Ent. **43**.

Melanauster fasciatus Laos, *adonis* Tonkin p. 20, *luteonotatus*, *angustatus* China p. 21, spp. n., Pic t.c.—*M. superbus* sp. n. Tonkin p. 4, Pic Échange [**40**] **41**.

Mesopenthea gen. n. (near *Menyllus*) *variabilis* sp. n. Formosa p. 67, Schwarzer Ent. Bl. **21**.

Mesosa basinodosa sp. n. Yunnan p. 28, Pic Mél. Exot. Ent. **44**.—*M. formosana* sp. n. Formosa p. 60, Schwarzer Ent. Bl. **21**.

Mesosella major sp. n. Asia p. 28, Pic Mél. Exot. Ent. **44**.

Metagnoma gen. n. *singularis* sp. n. Borneo p. 13 fig., Aurivillius Ark. Zool. **17A** no. 12.

Miaenia rufula Borneo p. 267, *variegata* Philippines p. 268, **spp. n.**, FISHER Phil. J. Sci. **28**.—*M. subfasciata* **sp. n.** Formosa p. 148, SCHWARZER Ent. Bl. **21**.

Microabryna **subgen. n.** see *Abryna*.

Microdorcadion **gen. n.** p. 16, *tuberculatum* **sp. n.** Tonkin p. 17, PIC Mél. Exot. Ent. **43**.

Microlenecamptus **subgen. n.** see *Cylindroppomus*.

Micromulciber 4-signatus **sp. n.** Formosa p. 64, SCHWARZER Ent. Bl. **21**.

Mimocoptops **gen. n.** *laosensis* **sp. n.** Laos p. 32, PIC Mél. Exot. Ent. **43**.—*M. formosana* Formosa, *nigrobifasciata* Tonkin, **spp. n.** p. 30, PIC op. cit. **44**.

Mimogyaritus **gen. n.** (near *Gyaritus*) p. 221, *fasciatus* **sp. n.** Borneo p. 222, FISHER Phil. J. Sci. **28**.

Mimoron **gen. n.** p. 27, *rufescens* **sp. n.** Tonkin p. 28, PIC Mél. Exot. Ent. **43**.

Moechotypa suffusa **var. n.** *elongata* India p. 29, PIC op. cit. **44**.

Moneilema corpulenta **sp. n.** Arizona p. 183, KNAUS Pan-Pacific Ent. **1**.

Monohammus vitalisi no locality, *marmoratus* Laos p. 19, *semigranulatus* Cambodia p. 20, **spp. n.**, PIC Mél. Exot. Ent. **43**.

Mutatocoptops **gen. n.** for *Coptops* Pascoe nec Serville, *robustipes*, *tonkinea* p. 29, *bidentatithorax* Tonkin, *alboapicalis* Laos p. 30, **spp. n.**, PIC op. cit. **44**.

Mynonebra opaca **sp. n.** Philippines p. 236, FISHER Phil. J. Sci. **28**.

Myromeus subpictus **subsp. n.** *immaculicollis* Philippines p. 435, HELLER D. ent. Zs. **1924**.—*M. fumosus* Philippines p. 249, *fulvonotatus* Borneo p. 251, *luzonicus* Philippines p. 252, **spp. n.**, FISHER Phil. J. Sci. **28**.

Nemophas multinotatus **sp. n.** Tonkin p. 18, PIC Mél. Exot. Ent. **43**.

Neoegesina **gen. n.** (near *Egesina*) p. 215, *ornata* (type) p. 216, *varia* p. 217, *fusca* p. 219, *albomaculata* p. 220, **spp. n.** Borneo, FISHER Phil. J. Sci. **28**.

Neoserixia **subgen. n.** see *Serixia*.

Nephelotus bimaculatus **sp. n.** Tonkin p. 16, PIC Échange [40] **41**.

Niphoparmena lindblomi **sp. n.** E. Africa p. 3, AURIVILLIUS Ark. Zool. **17B** no. 3.

Nitocris nigrofasciata p. 54, *ocularis* p. 55, **spp. n.** Belgian Congo, AURIVILLIUS Rev. zool. afr. **13**.

Noserocera variegata **sp. n.** E. Africa p. 10, AURIVILLIUS Ark. Zool. **17A** no. 12.

Nupserha gracilis **var. n.** *nigroapicalis* Belgian Congo p. 54, AURIVILLIUS Rev. zool. afr. **13**.

Oberea notativentris **n. n.** for *maculiventris* Pic p. 30, PIC Échange **39** 1924.—*O. marginella* **var. n.** *kankauensis* p. 153, *griseopennis* **sp. n.** p. 154 Formosa, SCHWARZER Ent. Bl. **21**.

Obereopsis ugandicola **sp. n.** Uganda p. 20, AURIVILLIUS Ark. Zool. **17A** no. 12.—*O. variabilis* **sp. n.** E. Africa p. 5, AURIVILLIUS op. cit. **17B** no. 3.

Olenecamptus biocellatus, *marginatus* **spp. n.** Formosa p. 63, SCHWARZER Ent. Bl. **21**.

Orsidis savioi **sp. n.** Shanghai, *griseomaculatus* Pic transferred from *Diochares* p. 21, PIC Mél. Exot. Ent. **43**.

Ostedes inermis **sp. n.** Formosa p. 146, SCHWARZER Ent. Bl. **21**.

Paroeme montana **sp. n.** E. Africa p. 2, AURIVILLIUS Ark. Zool. **17B** no. 3.

Phrynetopsis loveni **sp. n.** E. Africa p. 4, AURIVILLIUS t.c.

Phytoecia piciana **n. n.** for *trilineata* Pic, *kurda* **n. n.** for *mardinensis* Pic, *erivanica* ab. *nigripennis* **n. n.** for *nigritarsis* Pic p. 239, JACOBSON Rev. russe Ent. **18** 1924.

Platyzeargyra **gen. n.** (near *Egesina* and *Zeargyra*) p. 213, *bakeri* **sp. n.** Borneo p. 214, FISHER Phil. J. Sci. **28**.

Potemnemus wolfi **sp. n.** New Guinea p. 3, BERCHMANS Ent. Rdsch., Stuttgart **42**.

Pothyne moringae **sp. n.** S. India p. 18 fig., AURIVILLIUS Ark. Zool. **17A** no. 12.—*P. quadrilineata*, *trilineata* **spp. n.** Tonkin p. 24, PIC Échange **39** 1924.—*P. formosana* **sp. n.** Formosa p. 146, SCHWARZER Ent. Bl. **21**.

Pseudale **gen. n.** (near *Moron*) *fasciata* **sp. n.** Formosa p. 67, SCHWARZER Ent. Bl. **21**.

Pseuduraecha **gen. n.** *sulcaticeps* **sp. n.** China p. 23, PIC Mél. Exot. Ent. **43**.

Pterolophia univinculata p. 433, *decolorata* p. 434, **spp. n.** Philippines, HELLER D. ent. Zs. **1924**.—*P. annulicornis* **sp. n.** China p. 138, PIC Bull. Soc. ent. Fr.

1925.—*P. latefascia* p. 65, *scutellata, obscura* **spp. n.**, *lunigera* **var. n.** *formosana* p. 66 Formosa, SCHWARZER Ent. Bl. **21.**

Ropica variegata p. 232, *robusta* p. 233, **spp. n.** Philippines, FISHER Phil. J. Sci. **28.**—*R. formosana* **varr. n.** *variabilis* p. 68, *dorsalis* p. 145 Formosa, SCHWARZER Ent. Bl. **21.**

Saimia alternans **sp. n.** Formosa p. 62, SCHWARZER Ent. Bl. **21.**

Saperda bipunctata **sp. n.** Manitoba p. 208, HOPPING Can. Ent. **57.**—*S. similis* **var. n.** *albopubens* Siberia p. 11, PIC Échange [40] **41.**—*S. magnifica* **sp. n.** Formosa p. 148, SCHWARZER Ent. Bl. **21.**

Sciades sibuyanensis **sp. n.** Philippines p. 269, FISHER Phil. J. Sci. **28.**

Serixia sedata **var. n.** *annulicornis* Tonkin; *atricolor* Sumatra, *bicoloripes* Malacca **spp. n.** p. 31, PIC Mél. Exot. Ent. **44.**—*S.* (*Neoserixia* **subgen. n.**) *pulchra* p. 148, *signaticornis* p. 149, **spp. n.** Formosa, SCHWARZER Ent. Bl. **21.**

Sodus atrofasciatus **sp. n.** Tonkin p. 25, PIC Mél. Exot. Ent. **43.**

Sophronica ventralis Congo, *suturalis* Rhodesia, **spp. n.** p. 17, AURIVILLIUS Ark. Zool. **17A** no. 12.

Spinestima **gen. n.** *divaricata* **sp. n.** S. India p. 27, PIC Mél. Exot. Ent. **43.**

Stenias angustata, tonkinea **spp. n.** Tonkin p. 26, PIC op. cit. **44.**

Stesilea atrofasciata **sp. n.** Tonkin p. 138, PIC Bull. Soc. ent. Fr. **1925.**

Sybra scutellata p. 234, *punctata* p. 235, **spp. n.** Philippines, FISHER Phil. J. Sci. **28.**—*S. savioi* p. 138, *bioculata* p. 302, **spp. n.** China, PIC Bull. Soc. ent. Fr. **1925.**—*S. quadrinotata* **sp. n.** Formosa p. 145, SCHWARZER Ent. Bl. **21.**

Thylactus angustatus **sp. n.** Tonkin p. 24, PIC Mél. Exot. Ent. **43.**—*T. mjöbergi* **sp. n.** Sumatra p. 3 fig., AURIVILLIUS Ark. Zool. **17B** no. 1.

Tmesisternus pseudosulcatus **sp. n.** New Guinea p. 59, SCHWARZER Nova Guinea **15** 1924.

Trachystola vitalisi, 4-maculata (with **var. n.** *trinotata* S. India), *subobliterata* **spp. n.** Tonkin p. 17, PIC Mél. Exot. Ent. **43.**

Trigonoptera sulcata **sp. n.** New Guinea p. 13, AURIVILLIUS Ark. Zool. **17A** no. 12.

Trypanidius insularis **sp. n.** Cuba p. 8, FISHER Amer. Mus. Novit. no. **174.**

Uraecha albonotata China p. 22, *albosparsa* Tonkin, *attenuata* Tibet p. 23, **spp. n.**, PIC Mél. Exot. Ent. **43.**

Xaenapta denticollis p. 264, *bakeri* p. 265, **spp. n.** Borneo, FISHER Phil. J. Sci. **28.**

Xiphotheata laevicollis **sp. n.** New Guinea p. 15, AURIVILLIUS Ark. Zool. **17A** no. 12. — *X. integra* **sp. n.** New Guinea p. 59, SCHWARZER Nova Guinea **15** 1924.

Xoës irroratus **sp. n.** Philippines p. 429, HELLER D. ent. Zs. **1924.**

Zaeera (**subgen. n.** *Zaeeralia*) *vaulogeri* **sp. n.** Tonkin p. 28, PIC Mél. Exot. Ent. **43.**

Zaeeralia **subgen. n.** see *Zaeera.*

Zeargyrodes **gen. n.** (near *Zeargyra*) p. 223, *fasciatus* **sp. n.** Borneo p. 224, FISHER Phil. J. Sci. **28.**

Zotale maindroni **sp. n.** S. India p. 29, PIC Mél. Exot. Ent. **43.**

Zotalemimon **gen. n.** *apicale* **sp. n.** Tonkin p. 29, PIC t.c.

BRUCHIDAE.

Variation and heredity in Bruchidae, SKAIFE Trans. R. Soc. S. Africa **12** pp. 221–242 3 pls.

Bruchus quadrimaculatus embryology pp. 283–303 figs., BRAUER Ann. Ent. Soc. Amer. **18.**

Caryopemon lhostei Ceylon p. 30, *centronotatus* (with **var. n.** *lajoyei*) Cochinchina p. 31, **spp. n.**, PIC Échange **39** 1924.

Kytorrhinus lefevrei **sp. n.** China p. 31, PIC t.c.

Spermophagus thomasi **sp. n.** Chile p. 203, BRÈTHES Rev. chil. Hist. nat. **29.**

Urodon a Bruchid, not an Anthribid p. xcviii, JORDAN Trans. Ent. Soc. Lond. **1924.**

DONACIIDAE.

Revision of New World Donaciini with list of spp. and synonymy, SCHAEFFER Brooklyn Mus. Sci. Bull. **3** 165 pp. figs.

Donacia kirgizkaisaka **sp. n.** Asiatic Russia p. 6, JACOBSON Rev. russe Ent. **19.**—*D.*, keys pp. 56, 123, (*D.*) *cincti.*

cornis **var. n.** *tryphera* p. 81, *tenuis* p. 82; (*D.*) *dissimilis* **sp. n.** p. 115; (*Plateumaris*) *flavipes* **var. n.** *shoemakeri*, *lodingi* p. 129; (*P.*) *notmani* **sp. n.** p. 132; (*P.*) *emarginata* **var. n.** *pacifica* p. 135, *frosti* p. 136; *diversa* p. 143, *wallisi* p. 147, *dubia* p. 152, *neomexicana* p. 154, *longicollis* p. 156, *vermiculata* p. 158, **spp. n.** figs., SCHAEFFER Brooklyn Mus. Sci. Bull. **3.**—*D. dentata* **ab. n.** *indentata* Russia p. 3, KOLOSOV Bull. Ent. Phytopath. Bur. Ural Soc. Nat. **1925.**

MEGALOPIDAE.

Kuilua africana Jac. (= *Euplacocerus apicalis* Kraatz [Cleridae] and *Lycosomus mirabilis* Auriv. [Cerambycidae]) pp. 77–78, KUNTZEN N. Beitr. syst. Insektenk. **3.**

ORSODACNIDAE.

Zeugophora flavicollis **var. n.** *notatipes* France p. 9, PIC Échange [**40**] **41.**

CRIOCERIDAE.

Lema africana **var. n.** *bisbimaculata* Congo p. 11, PIC Échange [**40**] **41.**—*L. semiannulipes*, *reducteapicalis*, *bicoloripes* p. 14, *bingeri* (with **var. n.** *sibutana*), *donceeli* **spp. n.** Africa, *herbigrada* **var. n.** *testaceipennis* p. 15 Nossi-Be, PIC Mél. Exot. Ent. **43.**

Plectonycha brochoni **sp. n.** Argentina p. 15, BRÈTHES Nunquam Otiosus iv **1925.**

CLYTRIDAE.

Calyptorrhina comans Transcaspia p. 8, *golda* Siberia p. 9, *mandzhura* China p. 10, **spp. n.**, JACOBSON Rev. russe Ent. **19.**

Coptocephala hilaris see *Gynandrophthalma thoracica.*

Gynandrophthalma thoracica F.-W. (= *fischeri* L. Heyd. = *undecimnotata* Weise = *Coptocephala hilaris* Kraatz) p. 236, JACOBSON Rev. russe Ent. **18** 1924.

Saxinis saucia egg-laying habits pp. 175–178, SPRUYT Pan-Pacific Ent. **1.**

Titubaea minor **var. n.** *atriceps* Egypt p. 22, PIC Échange **39** 1924.

CRYPTOCEPHALIDAE.

Boloschesis **n. n.** for *Chlamys* Knoch 1801 nec Bolten 1798 p. 239, JACOBSON Rev. russe Ent. **18** 1924.

Chlamys see *Boloschesis.*

Coenobius aureopilosus **sp. n.** Fiji Is. p. 591, BRYANT Ann. Mag. N. H. (9) **15.**

Cryptocephalus madagascaricus **n. n.** for *dilutipes* Fairm.; *spilothorax* **n. n.** for *maculicollis* Suffr. p. 241; *kokanda* **n. n.** for *negligens* Weise; *gebleri* **n. n.** for *niger* Gebl. p. 242, JACOBSON Rev. russe. Ent. **18** 1924.—*C. kiritshenkoi* **sp. n.** Asiatic Russia p. 12, *bodungeni* further description p. 13, *tadzhika* **sp. n.** Buchara p. 14, JACOBSON op. cit. **19.**—*C. antongileus*, *diegosensis* **spp. n.** Madagascar p. 24, *curvilinea* **var. n.** *carnerii*; *anastasei* **sp. n.** Egypt p. 30, PIC Échange **39** 1924.—*C. w-maculatus* **varr. n.** *externesignatus*, *morvandicus*, *champenoisi* France p. 9, PIC Échange [**40**] **41.**—*C. pini*, biology pp. 55–62, PRELL Zs. angew. Ent. **11.**

Diaspis see *Diplacaspis.*

Diplacaspis **n. n.** for *Diaspis* Lac. nec Costa p. 239, JACOBSON Rev. russe Ent. **18** 1924.

Fulcidacina **tribe n.** for Chlamydina p. 239, JACOBSON t.c.

Mylassa notes pp. 257–258, JACOBSON t.c.

Stylosomus sulcicollis **sp. n.** Kumaon p. 269, CHAMPION Ent. Mo. Mag. **61.**—*S. tamaricis* **varr. n.** *rufonotatus* Tunis p. 22, *leprieuri* no locality p. 23, PIC Échange **39** 1924.

Thelyterotarsus karakirgiza p. 11, *ivanovi* p. 12, **spp. n.** Russian Turkestan, JACOBSON Rev. russe Ent. **19.**—*T. cribripennis* **sp. n.** Egypt p. 30, PIC Échange **39** 1924.

EUMOLPIDAE.

Colaspis lefevrei **n. n.** for *geminata* Lef. nec Boheman, BRÈTHES Nunquam Otiosus iv **1925.**

Labasa **gen. n.** p. 592, *scutellaris* **sp. n.** p. 593 Fiji Is., BRYANT Ann. Mag. N. H. (9) **15.**

Myochrous figueroae **sp. n.** Argentina p. 16, BRÈTHES Nunquam Otiosus iv **1925.**

Rhyparida dispar **sp. n.** Fiji Is. p. 593, BRYANT Ann. Mag. N. H. (9) **15.**

Typophorus sturmi Lefèvre, a subsp. of *viridicyaneus* Crotch p. 92 fig., CHITTENDEN Bull. Brooklyn Ent. Soc. **20.**

CHRYSOMELIDAE.

Chrysomelidae of Florida (cont.), BLATCHLEY Florida Ent. **8** 1924 pp. 39–46.

Notes on the Chrysomelidae of Arizona, BRISLEY Trans. Amer. Ent. Soc. **51** pp. 167–182.

Notes on synonymy of some Chrysomelids, JACOBSON Rev. russe Ent. **18** 1924 pp. 239–242.

The internal genitalia of Chrysomelidae, SPETT & LEVITT Wiener ent. Ztg. **42** pp. 39–44.

Calligrapha pnirsa life-history pp. 209–211, AINSLIE Can. Ent. **57**.

Centroscelis laevigata **var. n.** *sellata* Cape Colony p. 106, ACHARD Časopis **21**.

Chrysochloa redikorzevi **sp. n.** Siberia p. 14, JACOBSON Rev. russe Ent. **19**.—*C. coerulea* key to aberrations, **ab. n.** *delaunayi* France p. 28, MALLET Misc. ent. **29**.—*C. gloriosa* viviparous p. 243, BARNES Ent. Mo. Mag. **61**.

Chrysolina Mot. (= *Chrysomela* auct. nec L.) p. 95, MAULIK Ann. Mag. N. H. (9) **15**.

Chrysomela katangana **sp. n.** Belgian Congo, *superba* **varr. n.** *impunctulata* p. 105, *immetallica* p. 106, Congo, ACHARD Časopis **21**.—*C.* L.(=*Melasoma* Steph.) p. 95, MAULIK Ann. Mag. Nat. Hist. (9) **15**.—*Chrysomela* auct. nec L. see *Chrysolina*.

Colaphinus **gen. n.** (nr. *Colaspidema*) (no sp.) p. 127, ACHARD Fragments ent. **1923**.

Colaphomega signatipenne **var. n.** *implagatum* Algeria p. 128, ACHARD t.c.

Colaspidema notes on allied genera pp. 126–128 (not completed), ACHARD t. c.—*C. atrum* bionomics pp. 235–298 figs., LÉCAILLON Ann. Epiphyties **11**.

Cosmogramma key p. 82, *rufipes* **sp. n.** Peru p. 84, ACHARD Bull. Soc. ent. Fr. **1925**.

Doryphoroides **gen. n.** *amplipennis* (type) Queensland p. 16, *bicolor* New Guinea p. 17, **spp. n.**, LEA Proc. R. Soc. Victoria **37**.

Leptinotarsa decemlineata biology France, FEYTAUD C.R. Assoc. franç. Avanc. Sci. Paris **47** (1923) 1924 pp. 551–554.

Melasoma limbata **sp. n.** Congo p. 106, ACHARD Časopis **21**. — *M. aenea* **var. n.** *purpureotincta* France p. 26, PIC Échange **39** 1924.—*M. alpina* **ab. n.** *connexa* Norway p. 4, WEISE Arch. Natg. Berlin **86** (1920) 1921 A 12.—*M.* Steph. see *Chrysomela* L. nec auct.

Phaedon cochleariae genitalia pp. 100–102 figs., CHOLODKOVSKY Bull. Sub.-Sec. Control Plant Pests Com. Agric. Petrograd **1** 1919.

Phyllodecta laticollis **varr. n.** *viridiauratus, diversipes* France p. 26, PIC Échange **39** 1924.—*P. laticollis* **var. n.** *purpurascens* Morvan p. 9, PIC Échange [**40**] **41**.

Phytodecta linnaeana, biology pp. 31–41, 69–76 figs., GSCHWENDTNER Ent. Bl. **21**.—*P. viminalis* **varr. n.** *trimaculata, notatithorax* p. 26, *c-notatus, mediolineatus* France; *variabilis* **var. n.** *schrammi* Spain; *nivosa* **var. n.** *undulatus* Alps; *olivaceus* **varr. n.** *quittardi, agnani* France, *fauconneti* Silesia p. 27, PIC Échange **39** 1924.—*P. variabilis*, sex-heredity pp. 203–229 fig., DE ZULUETA Eos **1**.

Plagiodera suturata Ecuador p. 427, *semicaerulea* S. Domingo p. 428, **spp. n.**, *aeneiventris* **varr. n.** *semipicta, flavapex* Guatemala; *flosculosa* **varr. n.** *conjuncta, pictipennis*; *congesta* **var. n.** *vittipennis* Mexico; *multiplagata* **sp. n.** Bolivia p. 430; *jucunda* **var. n.** *abbreviata*; *paulistana* Brazil p. 431, *similis* Ecuador p. 432, *dilatata* Brazil p. 434 **spp. n.**; *novempunctata* **var. n.** *divisa* Colombia; *germaini* Bolivia p. 435, *gounellei* p. 436, *amazonica* p. 437, *baeri* Peru p. 438, **spp. n.**, ACHARD Ann. Soc. ent. Fr. **94**.—*P. violaceipennis* **sp. n.** Fiji Is. p. 594, BRYANT Ann. Mag. N. H. (9) **15**.

Pseudomela key to spp. p. 422, *gracilicornis* **sp. n.** Belgian Congo p. 425, ACHARD Ann. Soc. ent. Fr. **94**.

Timarcha mairei **subsp. n.** *humberti* Grand Atlas p. 15, PEYERIMHOFF Ann. Soc. ent. Fr. **94**.—*T. cyrenaica* **sp. n.** Cyrenaica p. 27, PEYERIMHOFF in DODERO Boll. Mus. Zool. Torino **39** N. S. no. 23.—*T. inaequalis* **sp. n.** Tunis p. 22, PIC Échange **39** 1924.

HALTICIDAE.

Keys to palaearctic and N. American genera of Halticinae, HEIKERTINGER Koleopt. Rdsch. **11** pp. 49–70.

Food-plants of Central European Halticinae, HEIKERTINGER Ent. Bl. **21** pp. 10–19, 81–92, 119–131, 155–163 17 figs.

The common Scandinavian flea-beetles, KEMNER Nordisk Jordbrugsforskning **1923** pp. 453–457.

Aphthona veitchi, greenwoodi **spp. n.** Fiji Is. p. 595, BRYANT Ann. Mag. N. H. (9) **15.**—*A. pachypus* **n. n.** for *crassipes* Jacobs. p. 242, JACOBSON Rev. russe Ent. **18** 1924.

Crepidodera solani **sp. n.** Florida p. 167, BLATCHLEY Can. Ent. **57.**—*C. nigra* **sp. n.** Fiji Is. p. 597, BRYANT Ann. Mag. N. H. (9) **15.**

Derocrepis (*Aeschrocnemis*) *serbica* **var. n.** *peloponnesiaca* Greece p. 170 fig., HEIKERTINGER Wiener ent. Ztg. **42.**

Docema **gen. n.** for *Haltica galapagoense* Waterh. p. 80, WATERHOUSE Proc. Zool. Soc. **1877.**—*D. darwini* **sp. n.** Galapagos Is. p. 230, MUTCHLER Zoologica **5.**

Epitrix parvula life-history pp. 575–584 figs., CHAMBERLIN, TENHET & BÖVING J. Agric. Res. **29** 1924.

Febra insularis **sp. n.** Fiji Is. p. 596, BRYANT Ann. Mag. N. H. (9) **15.**

Haltica aeneola **n. n.** for *aenescens* Blatchley nec Weise p. 245, BLATCHLEY Ent. News **36.**—*H. galapagoense* see *Docema.*

Longitarsus menthae **sp. n.** Michigan p. 109 fig., GENTNER Qtrly. Bull. Mich. Agr. Expt. Sta. **7.**—*L. lunatus* **sp. n.** Galapagos Is. p. 81, WATERHOUSE Proc. Zool. Soc. **1877.**

Orestia, monograph with keys pp. 56–125, figs., HEIKERTINGER Verh. zool.-bot. Ges. Wien **74** 1924.

Phyllotreta blackburni **sp. n.** Fiji Is. p. 596, BRYANT Ann. Mag. N.H. (9) **15.**

Psylliodes cereola **sp. n.** Grand Atlas p.268 fig., PEYERIMHOFF Bull. Soc. ent. Fr. **1925.**—*P. vitiensis* **sp. n.** Fiji Is. p. 597, BRYANT Ann. Mag. N.H. (9) **15.**—*P. festae* **sp. n.** Cyrenaica p. 19, DODERO Boll. Mus. Zool. Torino **39** N.S. no. 23.—*P. maculatipes* **sp. n.** Egypt p. 22, PIC Échange **39** 1924. —*P. peyerimhoffi* **subsp. n.** *moricandiae* Tunisia p. 15, PEYERIMHOFF Ann. Soc. ent. Fr. **94.**

Thyamis perforata **sp. n.** Tunisia p. 16, PEYERIMHOFF t.c.

GALERUCIDAE.

Supplément au Catalogus coleopterorum, pars 78 (Galerucinae) de J. Weise, précédé de remarques sur la classification des Galerucini, LABOISSIÈRE Encyc. ent. Ser. B II. Col. **1** pp. 33–48 figs.

Ceratia (*Triaplatys*) *foveata,* (*T.*) *dohertyi* **spp. n.** Timor p. 247, BOWDITCH Psyche **32.**

Chthoneis grossa Brazil, *marginipennis* Gua. p. 260, *foveicollis, stuarti* Bolivia p. 261, *rufulum* Brazil, *boliviensis* Bolivia, *rosenbergi* Cachabé p. 262, *donckieri, aeneipennis* Bolivia p. 263, **spp. n.,** BOWDITCH t.c.

Dercetes variipes **sp. n.** Philippines p. 611, LABOISSIÈRE Phil. J. Sci. **28.**

Diabrotica limbata **sp. n.** Galapagos Is. p. 81, WATERHOUSE Proc. Zool. Soc. **1877.**—*D. vittata* life-history pp. 795–807 figs., SWEETMAN J. Econ. Ent. **18.**

Ellopia amplipennis p. 1, *lata* p. 2, **spp. n.** N. S. Wales, LEA Proc. R. Soc. Victoria **37.**

Galerucella tenella biology pp. 321–330 figs., PETROV Défense des Plantes **2.**

Haplosonyx frenbi, humeralis Java, *monticola* Borneo, **spp. n.** p. 245, BOWDITCH Psyche **32.**

Hoplasoma melanocephalum **sp. n.** China p. 246, BOWDITCH t.c.

Khasia nigra **sp. n.** Fiji Is. p. 598, BRYANT Ann. Mag. N.H. (9) **15.**

Luperodes pustulatus, mapirii Bolivia p. 248, *pilosus* Bolivia, *flavipennis* Cachabé, *hebardi* Venezuela p. 249, *suturalis* Peru p. 250, *vittatus* Bolivia, *bruchii* Argentine p. 251, *klageri, maculicollis* Brazil, *cyaneoplagiata* Bolivia p. 252, **spp. n.,** BOWDITCH Psyche **32.**

Luperus masoni p. 253, *beniensis, pallidus, blumenensis* p. 254, **spp. n.** S. America, BOWDITCH t.c.

Malacosoma (*Exora*) *cyaneomaculatum* Peru, (*E.*) *basale* Bogota p. 255, (*E.*) *guttatum* Brazil, (*E.*) *quadripustulatum* Argentine p. 256, (*E.*) *rosenbergi* Cachabé, (*E.*) *buckleyi* Peru p. 257, *bellum,* (*E.*) *simile,* (*E.*) *octoguttatum* Brazil p. 258, (*E.*) *maculatum* Bolivia p. 259, **spp. n.,** BOWDITCH t.c.

Monolepta vitiensis, modesta **spp. n.** Fiji p. 599, BRYANT Ann. Mag. N.H. (9) **15.**

Neorupilia key, *flava* Tasmania, *humeralis* S. Australia p. 9, **spp. n.,** LEA Proc. R. Soc. Victoria **37.**

Oides key p. 10, *fryi* **var. n.** *obsoleta* Australia p. 12, *bimaculicollis* p. 13, *variivitta*, *polita* p. 14, *sexmaculipennis*, *arithmetica* p. 15, **spp. n.** Queensland, LEA t.c.—*O. niasensis* **sp. n.** Lahago Central p. 244, BOWDITCH Psyche **32.**—*O. bakeri* p. 609, *ovalis* p. 610, **spp. n.** Philippines fig., LABOISSIÈRE Phil. J. Sci. **28.**—*O. basella* **n. n.** for *basalis* Tryon nec Guér., *bitaeniata* **n. n.** for *bivittata* Weise nec Gahan p. 38, LABOISSIÈRE Encyc. ent. Ser. B. II. Col. **1.**

Pyrrhalta viburni **var. n.** *nigrescens* Germany p. 80, OCHS Senckenbergiana **7.**

Rupilia key p. 3, *insignis* p. 4, *suturalis* N. Territory, *cavicollis* Queensland p. 5, *viridipennis* N.S. Wales p. 6, *cribrata* N. Territory, *tricolor* N.W. Australia p. 7, *microptera* S. Australia p. 8, **spp. n.**, LEA Proc. R. Soc. Victoria **37.**

Scelolyperus tenuimarginata Brazil, *rosenbergi* Colombia, **spp. n.**, p. 264, BOWDITCH Psyche **32.**

HISPIDAE.

Anisostena californica **sp. n.** California p. 170, VAN DYKE Pan-Pacific Ent. **1.**

Brachycoryna dolorosa **sp. n.** California, *hardyi* Crotch (= *horni* Weise) p. 171, VAN DYKE t.c.

Brontispa selebensis **sp. n.** Celebes p. 16, GESTRO Ann. Mus. Gen. **51** 1923.

Callispa elongata **sp. n.** Tonkin p. 24, PIC Échange **39** 1924.—*C. mungphua* Maulik (=*latipennis* Pic), MAULIK Entomologist **58.**

Dactylispa masonii China p. 9, *agilis* Bengal p. 11, *fleutiauxii* Tonkin p. 12, *daiacca* Borneo p. 14, **spp. n.**, GESTRO Ann. Mus. Gen. **51** 1923.

Leptispa notaticollis, *perforata* p. 15 Africa, *atripes* Tonkin, *latior*, *donckieri*, *angustata* Madagascar p. 16, **spp. n.**, PIC Mél. Exot. Ent. **43.**

Microrrhopala rubrolineata key to varieties, **var. n.** *militaris* California p. 173, VAN DYKE Pan-Pacific Ent. **1.**

Octotoma germaini **sp. n.** Bolivia p. 1, PIC Mél. Exot.-Ent. **44.**

Oxycephala corrected to *Xiphispa* p. 61, PIC Bull. Soc. ent. Fr. **1925.**

Physocoryna expansa **sp. n.** Fr. Guiana p. 1, PIC Mél. Exot.-Ent. **44.**

Platypria (*Dichirispa*) *auromicans* **sp. n.** Uganda p. 8, GESTRO Ann. Mus. Gen. **51** 1923.

Thoracispa schoutedenii **sp. n.** B.E.A. Zuwani p. 20, GESTRO t.c.

Xiphispa correction for *Oxycephala* p. 61, PIC Bull. Soc. ent. Fr. **1925.**

CASSIDIDAE.

Cassida franklin-mülleri **sp. n.** Rhodesia, Transvaal, p. 55, SPAETH in KLEINE, SPAETH and MOSER Ent. Mitt. **14.**—*C. bakeri* p. 125, *basilana* p. 128, **spp. n.** Philippines, SPAETH Phil. J. Sci. **27.**

Hoplionota butuana p. 577, *demutata*, *sibuyana* p. 579, *impicta* p. 580, *formosa* p. 582, *negrosia* p. 583, *delicatula* p. 584, *corpulenta* p. 586, *surigaoensis* p. 587, **spp. n.** Philippines, SPAETH Phil. J. Sci. 28.

Porphyraspis reis-magalhaesi **sp. n.** Brazil p. 72 fig., BONDAR O Cacao, Parte II.

Prioptera decemmaculata early stages India p. 1087 figs., MAULIK & DOVER Proc. Zool. Soc. **1924.**—*P.*, key p. 381, *vicina* Philippines p. 387, *gibbifera* Borneo p. 390, *morigera* p. 392, *puellaris* p. 394, *secreta* p. 401 Philippines, *encausta* p. 402, *pudica* p. 403, *cerata* p. 404 Cochin-China, *bakeri* p. 412, *sospes* p. 414, *subopaca* p. 416, *trux* p. 418, *ceramensis* p. 419, *amboinica* 420, *sulana* p. 422, *joloana* p. 423, *impacata* p. 427, *scheerpeltzi* p. 431, *timorensis* p. 432 Philippines, *prognata* India p. 433, **spp. n.** figs., SPAETH Phil. J. Sci. **28.**

EXTINCT ALLIED ORDERS AND FAMILIES.

†Permophilidae **fam. n.** Upper Permian Belmont N.S.W. p. 430 fig., TILLYARD Proc. Linn. Soc. N.S.W. **49** 1924.

†*Permophilus* **gen. n.** *pincombei* p. 430, *minor* p. 431, **spp. n.** Upper Permian Belmont figs., TILLYARD t.c.

†Permosynidae **fam. n.** Upper Permian Belmont p. 431, TILLYARD t.c.

†*Permosyne* **gen. n.** key p. 431, *belmontensis*, *affinis*, *mitchelli*, *pincombeae* **spp. n.** Upper Permian Belmont p. 433 figs., TILLYARD t.c.

†Protocoleoptera **ord. n.**, Protocoleidae **fam. n.** Upper Permian Belmont p. 434 fig., TILLYARD t.c.

†*Protocoleus* **gen. n.** *mitchelli* **sp. n.** Upper Permian Belmont p. 434 figs., TILLYARD t.c.

LEPIDOPTERA.

Catalogue of Lepidoptera of Gironde, Actes Soc. linn. Bordeaux **77** pp. 5–13.

Some phases of parallel variation in British Lepidoptera, ADKIN Proc. S. London Ent. & N.H. Soc. **1924-25** pp. 8–15 3 pls. ; and Trans. Eastbourne Nat. Hist. Soc. **9** pp. 2–10.

Notes on some species of Lepidoptera in relation to the Stretch Collection, BARNES & BENJAMIN Pan-Pacific Ent. **1** pp. 127–138, 164–169.

List of apocryphal Dutch Macrolepidoptera, BENTINCK Ent. Ber. **7** pp. 1–14.

Lepidoptera of the Scilly Isles, BLAIR Entomologist **58** pp. 3–10.

Lepidoptera of Allier, France, du BUYSSON Rev. sci. Bourbonn. **1925** pp. 1–23.

Classification of Lepidoptera of Ecuador, CAMPOS Rev. Col. Nac. Vic. Rocafuerte **1921** no. 4 pp. 16–59.

Butterflies and moths of the Hautes Pyrenées, COOKE Entomologist **58** pp. 87, 119, 201.

Notes on Lepidoptera from the Stötzner collections, DRAESEKE Iris **39** pp. 48–57.

Lepidoptera of the Central Rhodope Mountains, Bulgaria, DRENOVSKI Zs. wiss. Insektenbiol. **20** 1–5, 28–32, 39–44.

The male genitalia of Palaeosetidae compared with other Lepidoptera Homoneura, EYER Proc. Linn. Soc. N.S.W. **50** pp. 267–271 figs.

The pupae of the Macrolepidoptera, FINGERLING Ent. Jahrb. Leipzig **1894** pp. 152–166.

Comparative study of poison apparatus of certain Lepidopterous larvae, GILMER Ann. Ent. Soc. Amer. **18** pp. 203–239 figs.

List of Lepidoptera of Constantinople, GRAVES Entomologist **58** pp. 191–194, 242–245, 260–262, 291–294.

Aberrations of Lepidoptera in Northern Ireland, GREER Entomologist **58** p. 1 1 pl.

List of Lepidoptera of the Volga district, GROSS Int. Ent. Ver. Buchbeilage **1925** pp. 53–95.

List of papers on melanism in Lepidoptera, HASEBROEK Fermentforschung **8** pp. 197–226.

Morphological notes on Lepidoptera from Frankfort on M., HEPP Ent. Zs. **39** pp. 46–47, 49–50.

Study and collection of butterflies in Mexico, HOFFMANN Mem. Soc. Aut. Alzate **41** 1922–23 pp. 441–525 44 figs.

Lepidoptera of Styria (Papilionidae to Geometridae), exhaustive faunistic survey with numerous biological notes, HOFFMANN & KLOS, Mitt. Natw. Ver. Steierm. Graz **50** 1914 pp. 184–323 ; **51** 1915 pp. 249–441 ; **52** 1916 pp. 91–243 ; **53** 1917 pp. 47–209 ; **54** 1918 pp. 89–160 ; **55** 1919 pp. 1–86.

Biological notes on S. American Lepidoptera, JORGENSEN Rev. Soc. cient. Paraguay **1** 1924 pp. 84–89.

First supplementary list of Lepidoptera of Perm Government, KOLOSOV Bull. Soc. oural. d'Amis Sci. nat. **39** 1924 pp. 76–79.

Macrolepidoptera of Poland, KREMKY Polsk. Pismo ent. **4** pp. 35–62.

Handbook of practical entomology, Part I, Lepidoptera, LEDERER B. Spezieller Teil **3** (1923) 1925 172 pp.

Enumeration of the butterflies and moths from Saghalien, MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15** pp. 83–196 4 pls.

List of Macrolepidoptera in Pomerania, MEYER and others Stettin. ent. Ztg. **85** pp. 79–132 ; **86** pp. 101–166.

Genitalia of Lepidoptera, MÜLLER-RUTZ Mitt. Schweiz. ent. Ges. **13** pp. 429–434 figs.

Lepidoptera of South Bavaria, OSTHELDER Beilage zum XV. Jahrgang der Münchener Ent. Ges. **1925** 166 pp. 7 pls.

Lepidoptera of Estland, PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902** sep. pp. 1–217.

Lepidopterous Fauna of Estonia, PETERSEN Teil I pp. 1–316 ; II pp. 317–590 **1924**.

Australian Lepidoptera in New Zealand, PHILPOTT, CASTLE & ANDERSEN N.Z.J. Sci. and Tech. **7** pp. 364–367.

Affinity of Lepidoptera and Trichoptera, RIEL Ann. Soc. linn. Lyon **71** pp. 84–88.

List of Lepidoptera of Cyrenaica, ROTHSCHILD Ann. Mag. N. H. (9) **16** pp. 200–208.

List of Algerian Lepidoptera collected by the late Capt. N. J. E. Holl, ROTHSCHILD Nov. Zool. **32** pp. 195–229.

Notes on Catalan Lepidoptera, SAGARRA Butll. Inst. Cat. Hist. nat. (2) **5** pp. 200–206 3 figs.

New and rare Philippine Lepidoptera, SCHULTZE Phil. J. Sci. **28** pp. 567–574 2 pls. 1 fig.

The Macrolepidopterous fauna of S. Dalmatia, SCHWINGENSCHUSS & WAGNER Zs. österr. Ent.-Ver. **10** pp. 53–57, 66–71, 78–82, 116–119 1 fig.

The principles underlying the assigning of names to groups, families, etc., in Lepidoptera, SEITZ Ent. Rdsch. **42** pp. 18–20 etc.

List of Illyro-Adriatic Lepidoptera, STAUDER Zs. wiss. Insektenbiol. **20** pp. 191–226.

Lepidoptera of Tobolsk Government, TSHUGUNOV Rev. russe Ent. **19** pp. 69–71.

Notes on Japanese Lepidoptera and their larvae, parts VIII, IX, WILEMAN Phil. J. Sci. **28** pp. 75–97, 279–292 figs.

Notes on British Macrolepidoptera in the Hope Department Oxford Univ. Mus., WOODFORDE Entomologist **58** pp. 177–180.

Rhopalocera.

Illustrations of Indian butterflies, ANTRAM Butterflies of India 1924 xvi + 226 pp.

List of butterflies of California, COMSTOCK Bull. S. Cal. Acad. Sci. **23** 1924 pp. 18–20, 53, 124–125, 157; **24** 1925 pp. 4, 38, 61–62 3 pls.

Addition to the knowledge of the butterflies of Saghalin, ESAKI Dobuts. Z. **35** 1923 pp. 388–391.

List of butterflies in the Central Mountain Region of Formosa, FURUBATA Insect World **27** 1923 pp. 262–266.

The Rhopalocera and Grypocera of Palestine and Transjordania, GRAVES Trans. Ent. Soc. Lond. **1925** pp. 17–125 figs.

List of the butterflies of Hispaniola, HALL Entomologist **58** p. 165.

Notes on a migration of butterflies in Argentina, HAYWARD Entomologist **58** pp. 147, 169.

Study and collection of butterflies in Mexico, HOFFMANN Mem. Soc. Aut. Alzate **41** 1922–23 pp. 441–525 44 figs.

Butterflies found on Mt. Takao, Japan, IWASE Insect World **26** 1922 pp. 83–88 1 fig.

On some butterflies of the Japanese Alps, KANO Insect World **26** 1922 pp. 405–408.

A catalogue of the Trinidad Lepidoptera Rhopalocera, KAYE Mem. Dept. Agric. Trinidad and Tobago **2** 1921 163 pp. 1 pl.

List of butterflies of Khartoum with field notes, MACE & WHITFIELD Entomologist **58** pp. 25–32.

Melanistic forms of butterflies of the Riesengebirge, Bohemia, MARSCHNER Zs. österr. Ent.-Ver. **10** pp. 16–20, 22–27, 33–34.

Metamorphosis of the larvae of Rhopalocera of France, PATIJAUD Rev. Hist. nat. appl. **6** pp. 101–109, 149–158.

Date of Felder in Reise Novara (Rhopalocera), RÖBER Stett. ent. Ztg. **86** pp. 175–176.

The butterflies of Kenya and Uganda, ROGERS & VAN SOMEREN J. E. Afr. & Uganda N. H. Soc. no. **21** pp. 22–43, 10 pls.; no. **23** pp. 105–145, 13 pls.

Butterflies of the Island of Okinawa, SAKAGUCHI Insect World **26** 1922 pp. 258–260; **27** 1923 pp. 338–340.

Food-plants of the caterpillars of some butterflies in Formosa, SONAN Trans. N. H. Soc. Formosa **12** 1922 pp. 75–86.

Butterflies of the Okinawa Islands, SONAN Trans. N. H. Soc. Formosa **13** 1923 pp. 77–104.

The present distribution and past history of Australian butterflies, TURNER Mem. Queensland Mus. **8** pp. 115–122 figs.

Seasonal occurrence of Swiss butterflies, VORBRODT Schweiz. Ent. Anz. **3** 1924 pp. 57–58.

Butterflies of Switzerland (additions), VORBRODT Mitt. Schweiz. ent. Ges. **13** pp. 434–466.

DANAIDAE.

Neotropical Danaids in the collection of the Polish Natural History State Museum in Warsaw, KREMKY Ann. zool. Mus. polon. Hist. nat. **4** pp. 141–275 9 pls. 193 figs.

Catalogue of the type specimens of Lepidoptera Rhopalocera in the British Museum. Part II, Danaidae, RILEY & GABRIEL Br. Mus. (Nat. Hist.) 1925 55 pp.

Aeria eurimedia **subsp. n.** *latistriga* Colombia p. 190, HERING & HOPP Iris **39**.

Amauris damocles synonymy p. 642; *damocles damoclides* **ab. n.** *amplificata* Tanganyika; *lobengula* **subsp. n.** *camerunica* Gold Coast p. 643, JOICEY & TALBOT Ann. Mag. N. H. (9) **16**.

Calloleria singularis **subsp. n.** *transversa* Colombia p. 190, HERING & HOPP Iris **39**.

Czakia **gen. n.** for *Melinaea mneme* var. *mediatrix* Weymer p. 192 figs., KREMKY Ann. zool. Mus. polon. Hist. nat. **4**.

Danaida plexippus distribution in Pacific pp. 198–202, COLLENETTE Ent. Mo. Mag. **61**.—*D. garamantis* **subsp. n.** *dilatata* Bougainville I. p. 638; *rotundata* **subsp. n.** *rookensis* Rooke I.; *sobrina* **subsp. n.** *doreyana*; *apatela* **sp. n.** New Guinea p. 639; *hermippus* **subsp. n.** *centralis* Venezuela p. 641; synonymical notes, JOICEY & TALBOT Ann. Mag. N. H. (9) **16**.—*D. chrysippus* L. (=*dorippus* Klug) pp. cxix–cxxiii, POULTON Trans. Ent. Soc. London **1924** 1925.—*D. limniace* life-history pp. 280–288 figs., BOSE Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*D. kaempfferi* **sp. n.** Hispaniola p. 165, HALL Entomologist **58**.—*D. berenice* **ab. n.** *kerri* California p. 3 fig., COMSTOCK Bull. S. Cal. Acad. Sci. **24**; var. *strigosa* life-history and early stages pp. 27–33, COOLIDGE Trans. Amer. Ent. Soc. **51**.—*D. gilippus* see *Danaomorpha*.

Danaomorpha **gen. n.** for *Danais gilippus* Cramer p. 167 figs., KREMKY Ann. zool. Mus. polon. Hist. nat. **4**.

Dircenna visina **var. n.** *columbiana* E. Ecuador p. 150, KRÜGER Iris **39**.

Euploea identity of certain spp. p. 37, *climena* **f. n.** *albitincta*; *arcana* **sp. n.** Ceram p. 38, TALBOT & LE CERF Encyc. ent. Ser. B. III Lep. **1**.—*E. boisduvalii mangoensis* Butl. (= *simmondsi* Poult.) p. xviii, POULTON Trans. Ent. Soc. Lond. **1925**.

Hyposcada consobrina **subsp. n.** *columbiana* Colombia p. 189, HERING & HOPP Iris **39**.

Ithomia diasia **subsp. n.** *leucophaena* Colombia p. 189, HERING & HOPP t.c.

Mechanitis polymnia **subsp. n.** *werneri* Colombia p. 188, HERING & HOPP t.c.

Melinaea mneme **subsp. n.** *sola* Trinidad p. 413, KAYE Trans. Ent. Soc. Lond. **1924**.—*M. mneme, crameri* (with **ab. n.** *incisa* Br. Guiana p. xxiii) notes on p. xxii, KAYE op. cit. **1925**.—*M. mneme* var. *mediatrix* see *Czakia*.

Napeogenes hoppi **sp. n.** Colombia p. 189 fig., HERING & HOPP Iris **39**.—*N. osuna* **var. n.** *upina* Colombia p. 149; *pacifica* **sp. n.** Pacific Coast p. 150, KRÜGER Iris **39**.

Nectaria leuconoë clara synonymy p. 641, JOICEY & TALBOT Ann. Mag. N. H. (9) **16**.

Pteronymia pacifica **sp. n.** Pacific Coast of S. America p. 150, KRÜGER Iris **39**.

SATYRIDAE.

List of Satyridae and Amathusiidae of French Indo-China, DUBOIS & VITALIS DE SALVAZA Faune ent. Indochine fasc. **8** 1924 pp. 27, 32.

Notes on habits of various palaearctic Satyridae, KORB Mitt. münchn. ent. Ges. **9** 1920 pp. 57–64; **11** 1921 pp. 4–7.

Morphidae from Colombia, KRÜGER Iris **38** pp. 223–268.

The "bursa uncalis" in Satyridae, REUSS D. ent. Zs. **1925** pp. 167–168.

Antirrhaea undulata **sp. n.** Colombia p. 191 fig., HERING & HOPP Iris **39**.

Aphantopus hyperanthus **ab. n.** *arcuata* Austria p. 61, ZUSANEK Zs. österr. Ent.-Ver. **10.**

Brassolis sophorae **subspp. n.** *philomela* Ecuador p. 60, *laurentii* Brazil p. 61, STICHEL N. Beitr. syst. Insektenk. **3.**

Callerebia polyphemus Ober. (=*suroia* Tytler), *oberthueri* Szechuan p. 234, *confusa* (with *ricketti* **subsp. n.**) China p. 235, *caeca* Nepal p. 236, *watsoni* Burma, **spp. n.**, *pratorum* Ob. and other Chinese spp. transferred to *Loxerebia* **gen. n.** p. 237, WATKINS Ann. Mag. N. H. (9) **16.**

Cercyonis stephensi, rediscovery and variation in California p. 13 figs., COMSTOCK Bull. S. Cal. Acad. Sci. **23** 1924.

Coenonympha hero **subsp. n.** *pilwonis* Saghalien p. 95 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*C. california* **f. n.** *siskiyouensis* California p. 62 fig., COMSTOCK Bull. S. Cal. Acad. Sci. **24.**—*C. arcania* **ab. n.** *punctata* p. 279, *tiphon* **ab. n.** *unicolor* p. 281 Styria, HOFFMANN Mitt. Natw. Ver. Steierm. **50** 1914.—*C. hero* **f. n.** *marmorata* p. 129; *satyrion* **var. n.** *bavarica* p. 131 S. Bavaria figs., OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15.**—*C. fettigii* var. *nicholasi* **n. n.** for *holli* Oberth. p. 208, ROTHSCHILD Nov. Zool. **32.**—*C. arcania* **f. n.** *clorinda; dorus* **f. n.** *fonti* Spain p. 199, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.—*C. hero* var. *perseis* **ab. n.** *euryleuca* Ussuri (Siberia) p. 10, SCHAWERDA Zs. österr. Ent.-Ver. **7** 1922.—*C. iphis* **ab. n.** *theodora* p. 61; *arcania* **ab. n.** *multiocellaris* p. 62, Austria, ZUSANEK Zs. österr. Ent.-Ver. **10.**

Corades cybele, ♀ described, Colombia p. 11, KRÜGER Ent. Rdsch. **42.**

Elymnias agondas **subsp. n.** *vertenteni* Dutch New Guinea p. 447, HULSTAERT Ann. Mag. N. H. (9) **15.**

Epinephele jurtina **ab. n.** *testacea* Austria p. 19, SCHILLE Zs. österr. Ent.-Ver. **7** 1922; **ab. n.** *fulvopicta* Berlin p. 247, HEINRICH D. ent. Zs., Berlin **1925**; ab. p. 23 fig., ARNOLD Mitt. münchn. ent. Ges. **10** 1920.—*E. janira* **abb. n.** *occidentalis*, *meridionalis* France p. 58, PIONNEAU Bull. Soc. Sci. nat. Nantes (4) **4** 1924.—*E. cyrenaicae* a distinct sp. p. 202, ROTHSCHILD Ann. Mag. N. H. (9) **16.**

Erebia nerine, egg, larva, pupa p. 14 fig., NAUFOCK Zs. österr. Ent.-Ver. **5** 1920; life-history p. 42 figs., STUBENRAUCH Mitt. münchn. ent. Ges. **15**; **var. n.** *mendolensis* Tyrol p. 6, DANNEHL Ent. Zs. **39.**—*E. stygne* ab. figured p. 22, ARNOLD Mitt. münchn. ent. Ges. **10** 1920.—*E. medusa* **ab. n.** *mairloti* Belgium p. 6, CABEAU Rev. mens. Soc. ent. Namur **25.**—*E. melampus* **ab. n.** *kodermanni* p. 254; *eriphyle* **abb. n.** *obscura*, *tripuncta* p. 255; *arete* **abb. n.** *reducta*, *preiszeckeri*, *flavescens*, *tripuncta* p. 256; *manto* **ab. n.** *impunctata* p. 259; *ligea* **ab. n.** *quadripunctata* p. 267, Styria, HOFFMANN Mitt. Natw. Ver. Steierm. **50** 1914.—*E. glacialis* var. *nicholli* **ab. n.** *caeca* Austria p. 31; *cyclopius* **ab. n.** *aporia* Manchuria p. 67 **4** 1919; *aethiops* **ab. n.** *croesus* Austria p. 2 **6** 1921; *pronoë* **abb. n.** *koliskoi*, *ederi* Tyrol p. 19 **7** 1922, SCHAWERDA Zs. österr. Ent.-Ver.—*E. dzhelindae* p. 1, *kozhantschikovi* p. 9, **spp. n.** Siberia, SHELJUZHKO Ent. Anz. **5.**—*E. arete* **f. n.** *marginata*, **f. n.** ♀ *ocellata* Austria p. 38, THURNER Zs. österr. Ent.-Ver. **7** 1922.—*E. gorge* **subsp. n.** *karwendeli* p. 43, **ab. n.** *herzi* p. 44 Austria, ZUSANEK Zs. österr. Ent.-Ver. **10.**—*E. glacialis duponcheli* **ab. n.** *pupillata* Basses-Alpes p. 61, RIEL Bull. bi-mens. Soc. linn. Lyon **2** 1923.—*E.*, nomenclature of aberrations, some new from Bavaria p. 105 figs., OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15.**

Haetera hypaesia **var. n.** *obscura*; *lamia* **var. n.** *columbina* Colombia p. 17, KRÜGER Ent. Rdsch. **42.**

Henotesia perspicua, *simonsii*, *teratia* seasonal forms & male genitalia p. xix, RILEY Trans. Ent. Soc. Lond. **1925.**

Hyponephele lupinus **f. n.** *celtibera* Spain p. 198, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.

Lethe diana **subsp. n.** *sachalinensis* p. 92; *callipteris* **subsp. n.** *karafutonis* p. 93, Saghalien fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Loxerebia **gen. n.** for *Callerebia pratorum* Ol. and other Chinese spp. p. 237, WATKINS Ann. Mag. N. H. (9) **16.**

Manerebia nevadensis **sp. n.** Sierra Nevada de St. Marta p. 25, KRÜGER Ent. Rdsch. **42.**

Melanargia galathea **ab. n.** *ocellata* Austria p. 60, ZUSANEK Zs. österr. Ent.-Ver. **10**; **subspp. n.** *arogna*,

elvira N. Italy p. 109, FRUHSTORFER Arch. Natg. **86** A 9 (1920) 1921; **ab. n.** *punctellata* Belgium and France p. 65, CABEAU Rev. mens. Soc. ent. Namur **25.**—*M. japygia* v. *cleanthe* **ab. n.** *ochreopicta* Spain p. 27 fig., KITT Zs. österr. Ent.-Ver. **10.**—*M. russiae* **f. n.** *aragonensis; lachesis* **f. n.** *barcinonaria* Spain p. 198, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.—*M. russiae* **r. n.** *peninsulae* Spain p. 45, de SAGARRA op. cit. **5.**

Morpho patroclus subsp. *guaraunos* **f. n.** *virescens* Venezuela p. 46; *peleides* **subspp. n.** *joannisi* Colombia, *luminosa; electra* **subsp. n.** *guaraura* p. 47; *rhetenor* **subsp. n.** *augustinae* p. 48 Venezuela, LE CERF Bull. Soc. ent. Fr. **1925.**—*M. menelaus* **ff. n.** *sapphirus* Ecuador p. 98, *pulverosa* Brazil p. 99, *nestirina* Fr. Guiana p. 100, *naponis* Amazon p. 101; *amathonte* **f. n.** *sarareus* Panama p. 108 figs., LE CERF Encyc. ent. Ser. B. III Lep. **1.**—*M. patroclus* **subsp. n.** *guaraunos* p. 45; *menelaus* **subsp. n.** *orinocensis* p. 109; *peleides* **subsp. n.** *tucupita* p. 110 Venezuela, LE MOULT Bull. Soc. ent. Fr. **1925.**

Oeneis aello **f. n.** *exannulata* Bavaria p. 122, OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15.**

Opsiphanes catharinae **subsp. n.** *berchmansi* Brazil p. 65, STICHEL N. Beitr. syst. Insektenk. **3.**

Pararge achine **f. n.** *marmorata* S. Bavaria p. 126, OSTHELDER Beil. 1, Mitt. münch. ent. Ges. **15**; early stages p. 243, BELLING D. ent. Zs. **1925.**—*P. climene* **subsp. n.** *thatshukovi* Armenia p. 89, SHELJUZHKO Ent. Anz. **5.**—*P. megera* **f. n.** *festae* Cyrenaica p. 3, TURATI Boll. Mus. Zool. Torino **39** N. S. no. 27.—*P. hiera* **ab. n.** *pseudomaera* Austria p. 61, ZUSANEK Zs. österr. Ent.-Ver. **10.**

Pierella incanescens **subsp. n.** *werneri* Colombia p. 191, HERING & HOPP Iris **39.**—*P.*, wing pattern p. 266 fig., SCHWANWITSCH Entomologist **58.**

Polymastus doraete ♀ described, Colombia p. 10, KRÜGER Ent. Rdsch. **42.**

Pyronia tithonus **f. n.** *cid* p. 198; *pasiphae* **f. n.** *pardilloi* p. 199 Spain, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.

Satyrus semele **ab. n.** *symetrica* Austria p. 50, ERFURTH Zs. österr. Ent.-Ver. **8** 1923; **ab. n.** *minor* Belgium p. 6, CABEAU Rev. mens. Soc. ent. Namur **25.**—*S. statilinus* **var. n.** *mariae* Spain p. 518, FUENTE Bol. R. Soc. esp. Hist. nat. **25.**—*S. dryas* **f. n.** *caeca* S. Bavaria p. 124, OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15.**—*S. fidia* var. *veilleia* Fruhst. (= *monticola* Mieg) p. 7, PIONNEAU Échange [**40**] **41.** *S. actaea* **subsp. n.** *rickmersi* Pamir p. 95, ROSEN Mitt. münchn. ent. Ges. **11** 1921.—*S. arethusa* **ab. n.** *latefasciata* Austria p. 61, ZUSANEK Zs. österr. Ent.-Ver. **10.**

Taenaris artemis **subsp. n.** *intermedians*; *hyperbolus* **subsp. n.** *concolor*; *dioptrica* **subsp. n.** *rileyi* p. 444; *rothschildi* **subsp. n.** *vanhaasterti; catops* **subspp. n.** *digulica* p. 445, *vanhaasterti, turaica* p. 446 Dutch New Guinea, HULSTAERT Ann. Mag. N. H. (9) **15.**

Tisiphone hercyna **var. n.** *fasciata* Colombia p. 18, KRÜGER Ent. Rdsch. **42.**

NYMPHALIDAE.

List of Nymphalidae of French Indo-China, DUBOIS & VITALIS DE SALVAZA Faune ent. Indochine fasc. **8** 1924 pp. 34-47.

Acraea key to E. African spp. p. 105, ROGERS & VAN SOMEREN J. E. Afr. and Uganda N. H. Soc. no. **23** figs.—*A. ansorgei* **ff. n.** *loveni, aurivilliana, jefferyi* Mt. Elgon p. 27, BRYK Ent. Rdsch. **42.**—*A. althoffi* **subsp. n.** *neavei* Uganda p. cxliv, POULTON Trans. Ent. Soc. Lond. **1924.**

Actinote characters of certain S. American spp. pp. 333–354, *brasiliensis* **ab. n.** *fuliginosa* p. 340; *genitrix* **abb. n.** *subrubicunda, moesa* p. 348; ♀ *parapheles* **var. n.** *fumida* p. 351, ♂ *parapheles* **var. n.** *hippea* p. 354 Rio, d'ALMEIDA Ann. Soc. ent. Fr. **94.**

Adelpha melona **subsp. n.** *nonsecta* p. 413; *phliassa* **subsp. n.** *symona* p. 414 Trinidad, KAYE Trans. Ent. Soc. Lond. **1924.**

Ageronia februa **subsp. n.** *antillana* Hispaniola p. 187, HALL Entomologist **58.**

Agrias spp. notes on forms in S. America, p. 111, MICHAEL Ent. Zs. **39.**—*A. phalcidon phalcidon* **abb.**

aloisi p. 190, ♀ *bertrandi*, ♂ *strympli*, ♀ *viridis*, ♀ *atromarginata*, ♀ *obscura* p. 191, ♂ *itaituba*, ♀ *cyaneonigra*, *pseudoconnectens* p. 192, ♂ *zwahleni*, ♀ *decellei*, *horracki* p. 193, ♀ *saglioi*, *pitardi*, ♂ *lesoudieri*, ♀ *nigerrima* p. 194, ♂ *pseudopitardi* p. 195 Brazil, Le Moult Bull. Soc. ent. Fr. **1925.**— *A. claudia* **ff. n.** *cassandra*, *eos* S. Catharina p. 185, Röber Stett. ent. Ztg. **85.** — *A. pericles* **f. n.** *niepelti* S. Peru p. 4, Seydel Ent. Rdsch., Stuttgart **42** 1925.

Anaea zikani **sp. n.** Brazil p. 67 figs. Rebel Zs. österr. Ent.-Ver. **5** 1920.— *A. rosae* **subsp. n.** *krügeri* Colombia p. 7, Niepelt Ent. Rdsch. **42.**

Anartia lytrea Godt. (= *dominicana* Skinn.) p. 187, Hall Entomologist **58.**

Apatura spp. early stages, p. 17, Mohn Ent. Zs. **39.**—*A. ilia* **ab. n.** *theia* S. Tyrol p. 40, Dannehl Ent. Zs. **39.**— *A. iris* larva p. 54, Seitz Ent. Zs. **38** 1924.

Argynnis selene ab. *gerda*, *niobe* ab. *eris* albino; melanic *aglaia* figured pp. 51–53, Arnold Mitt. münchn. ent. Ges. **9** 1919.—*A. selene*, *lathonia*, *amathusia* pp. 15–16, *dia* p. 25, *euphrosyne* p. 26 melanic vars. described, figured, not named pp. 15–16, Arnold op. cit. **10** 1920.— *A.*, notes on in Br. Columbia pp. 27–31, Blackmore Proc. Ent. Soc. Br. Columbia **16** 1921.— *A. dia* **ab. n.** *bivittata*, *ino* **ab. n.** *gracilens* p. 7 Belgium, Cabeau Rev. mens. Soc. ent. Namur **25.**—*A. apacheana* **ab. n.** *hermosa* p. 3 fig.; *zerene* **f. n.** *conchyliatus* p. 63, **ab. n.** *shastaensis* p. 65; *hydaspe* **f. n.** *viridicornis* p. 64, **ab. n.** *caliginosa* p. 66; *adiaste* **r. n.** *clemenci* p. 67; *atossa* **f. n.** *tejonica* p. 68; *cottlei* p. 64, *gunderi* p. 67, **spp. n.** California, Comstock Bull. S. Cal. Acad. Sci. **24.**—*A. paphia valesina* forms p. 275, Fischer Intern. ent. Zs. **19.**—*A. calippe* **var. n.** *comstocki* California p. 8, Gunder Ent. News **36.**— *A. ino* **ab. n.** *bipuncta* Styria p. 247, Hoffmann Mitt. Natw. Ver. Steierm. **50** 1914.—*A. pales* **subsp. n.** *sachalinensis*; *selene* **subsp. n.** *onorensis* p. 100; *ino* **subsp. n.** *karafutonis* p. 101, Saghalien figs., Matsumura J. Coll. Agric. Hokkaido Imp. Univ. **15.**— *A. selene* **ab. n.** *semipallida* Finland p. 97 fig., Nessling Not. Ent. **5.**— *A. aglaia* **r. n.** *mirabilis* Spain p. 45, de Sagarra Butll. Inst. Cat. (2) **5.**— *A. sagana* p. 254, *paphia paphioides* p. 255 larvae fig., Takeuchi Insect World **27** 1923.

Argyronome paphia **f. n.** *zariquieyi* Spain p. 200, de Sagarra Butll. Inst. Cat. (2) **4** 1924.

Basilarchia lorquini **ab. n.** ♂ *comstocki* California p. 5 fig., Gunder Ent News **36.**

Boloria pales **f. n.** *palinoides* Szechuen p. 218, Draeseke Iris **39.** —*B. reiffi* Br. Columbia p. 279, *palinoides*, *tatsienlouana* China p. 280, **spp. n.**, Reuss Intern. ent. Zs. **19.**

Brenthis myrina **race n.** *tollandensis* Colorado p. 44, Barnes & Benjamin Ent. News **36.**—*B. hecate* **ff. n.** *weissiana* p. 199, *poecilla*, *rubecula* p. 200 Spain, de Sagarra Butll. Inst. Cat. (2) **4** 1924.—*B. pales*, *isis*, *arsilache* morphology p. 309, Dadd D. ent. Zs., Berlin **1925.**—*B. selene* melanism in p. 277, Albers Intern. ent. Zs. **19.**

Catagramma atacama **f. n.** *superba* S. America p. 252, Krüger Intern. ent. Zs., Guben **18.**—*C. peristera* **f. n.** *apicalis* Amazons p. 250 fig., Krüger op. cit. **19.**

Charaxes ameliae **subsp. n.** *amelina* p. 644; *achaemenes* **f. n.** *monticola*; *paphianus* **subsp. n.** *subpallida* p. 645; *jahlusa* **subsp. n.** *kenyensis* p. 646 Africa, Joicey & Talbot Ann. Mag. N. H. (9) **16.**—*C. eudoxus* **subsp. n.** *cabacus*; *druceanus* **subsp. n.** *kivuanus* p. 288; *etheocles* **subsp. n.** *pembanus* p. 289 Africa, Jordan Nov. Zool. **32.**— *C. druceanus* **subsp. n.** *septentrionalis* Kenya; *eudoxus mechowi* R. & J. (=*blachieri* Obthr.); *cynthia* **ab. n.** *cizeyi* Kamerun p. 93, **subsp. n.** *parvicaudatus* Uganda; *hadrianus* **subsp. n.** *lecerfi* Nigeria; *etesipe* **subsp. n.** *paradoxa* Gt. Comoro p. 94; *penricei* **ab. n.** *flavus* Nyasaland; *pleione* **ab. n.** *pallida* Kamerun p. 95; *lambertoni* **sp. n.** Madagascar p. 96 figs., Lathy Encyc. ent. Ser. B. III Lep. **1.**—*C. kahldeni* **f. n.** *apicalis* Kamerun p. 169, Röber Stettin. ent. Ztg. **86.**

Chloripe laure **subsp. n.** *lauricola* Trinidad p. 414, Kaye Trans. Ent. Soc. Lond. **1924.**

Clothilda pantherata **subsp. n.** *clarescens* Hispaniola p. 186, Hall Entomologist **58.**

Colaenis julia **subsp. n.** *hispaniola* Hispaniola p. 186, HALL t.c.

Dione vanillae **ab. n.** *comstocki* California p. 5 fig., GUNDER Ent. News **36.**

Dryas laodice **f. n.** *melloides* Pekin p. 213, DRAESEKE Iris **39.**

Eriboea narcaea meghaduta **ab. n.** *pallida* Formosa; *narcaea* **subsp. n.** *acuminata* Yunnan, **abb. n.** *marginepunctata, intermedia* China p. 96; *eudamippus* **subspp. n.** *nigra* Laos, *major* Tonkin; *dolon-carolus* **ab. n.** *niger* China; *gamma* ♀ described p. 97, LATHY Encyc. ent. Ser. B. III Lep. **1.**—*E. narcaea* **f. n.** *abrupta* Mongolia p. 168, RÖBER Stett. ent. Ztg. **86.**

Eueides eratosignis **sp. n.** Brazil p. 651, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**

Euphydryas chalcedona **abb. n.** *omniluteofuscus* p. 195, *hemiluteofuscus* California; *anicia* var. *capella* **ab. n.** *oslari* Colorado p. 196; *sierra* **ab. n.** *magdalenae* California p. 197 figs., GUNDER Ent. News **36.**

Euthalia ludonia **subsp. n.** *siamica* Siam p. 140, RILEY & GODFREY Entomologist **58.**—*E. longi* p. 43, *bontouxi* p. 44, **spp. n.** Laos, VITALIS DE SALVAZA Faune ent. Indochine fasc. **8** 1924.

Fabriciana subornatissimoides **sp. n.** p. 219, **f. n.** *anargyra* p. 220 Szechuen, DRAESEKE Iris **39.**

Heliconius abdominal glands pp. 269–275 figs., ELTRINGHAM Trans. Ent. Soc. Lond. **1925.**—*H. elevatus* **subsp. n.** *schmassmanni*; *peeblesi* **sp. n.** p. 647; *erato* **ab. n.** *telloides* p. 648 S. America, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**—*H. numata, hecale, silvana* forms p. cxxxii, *wallacei* **subsp. n.** *latus* Trinidad p. 413, KAYE Trans. Ent. Soc. Lond. **1924.**—*H. crispus* **var. n.** *crespinus* W. Cordillera p. 151, KRÜGER Iris **39.**—*H. phyllis* **ff. n.** *krügeri* p. 60, *flavomixta, anacreonides* p. 61 Bolivia, NEUSTETTER Intern. ent. Zs. **19.**—*H. gradatus* **f. n.** *xinguensis* Brazil; *aristiona messene* **f. n.** *juncta*; *ithaka ithaka* **f. n.** *sulphureofasciata* p. 11; *ithaka vittatus* **f. n.** *nigroapicalis*; *cydno hermogenes* **f. n.** *anthelea* Colombia; *melpomene thelxiope* **f. n.** *aquilina* Brazil; *melpomene penelope* **f. n.** *praxedis* Bolivia p. 12; *amaryllis rosina* **f. n.** *fumosa* Colombia; *xenoclea plesseni* **f. n.** *dido* Ecuador; *xanthocles melete* **f. n.** *meridionalis*; *burneyi* **f. n.** *ada* Brazil p. 13; *wallacei flavescens* **f. n.** *quadrimaculata* Bolivia; *microclea notabilis* **f. n.** *flavopunctatus* Peru, Ecuador; *microclea beata* **f. n.** *zoraida* Ecuador p. 14, NEUSTETTER Zs. österr. Ent. Ver. **10.**—*H. phyllis* **f. n.** *flammea* Bolivia p. 252, NIEPELT Intern. ent. Zs. **18.**

Junonia coenia **ab. n.** *schraderi* California p. 199 fig., GUNDER Ent. News **36.**

Kallima, mimicry pp. 110–113, ESAKI Zs. wiss. Insektenbiol. **20.**

Kuekenthaliella eugenia **f. n.** *rheaoides* Szechuen p. 218, DRAESEKE Iris **39.**

Limenitis populi, biology pp. 164–165, HOFFMANN Mitt. Badischen ent. Ver. **1.**

Melitaea anicia Dbl. & Hew. (=*eurytion* Mead), *palla* Boisd. (=*calydon* Mead) p. 119, BARNES & BENJAMIN Ent. News **36.**—*M. trivia* **var. n.** *ardens* Austria p. 56, ERFURTH Zs. österr. Ent.-Ver. **8** 1923.—*M. aetherie* ab. p. 21, *athalia* ab. p. 22, *aurinia* ab. p. 23, p. 24 described, figs., not named, ARNOLD Mitt. münchn. ent. Ges. **10** 1920.—*M. phoebe* **subsp. n.** *dorae* ~~Palestine~~ transjor p. 101, *trivia* new seasonal forms p. 107 figs., GRAVES Trans. Ent. Soc. Lond. **1925.**—*M. athalia* genitalia, **ab. n.** *fallax* p. 70, **var. n.** *parthenopsis* p. 71, Austria, HORMUZAKI N. Beitr. syst. Insektenk. **3.**—*M. aurelia* var. *rhaetica* **ab. n.** *radiata* p. 110; *cynthia* **ab. n.** *aurinoides* p. 108 Austria, KIEFER Zs. österr. Ent.-Ver. **3** 1918.—*M. athalia* **subsp. n.** *sachalinensis* p. 99 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*M. cinxia* **f. n.** *impunctata* Bavaria p. 85, OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15.**—*M. aurinia* **var. n.** *estonica* Estonia p. 19 (sep. p.), PETERSEN Beitr. Kunde Est., Liv- u. Kurlands **1902.** — *M. pseudathalia, athalia* variations and genitalia, pp. 24–45 figs., REVERDIN Bull. Soc. lép. Genève **5** 1922.—*M. dictynna* **ab. n.** *amaura* Austria p. 67, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.—*M. didyma* **f. n.** *alaeida* Tyrol p. 43, STAUDER Ent. Anz. **5.**—*M. athalia* **subsp. n.** *dejonides* Rumania p. 12, WAGNER Zs. österr. Ent.-Ver. **3** 1918.

Palla ussheri **subsp. n.** *interposita* Uganda p. 646, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**

Pantoporia nefte **f. n.** *meillieri* Indo-China p. 41, Dubois & Vitalis de Salvaza Faune ent. Indochine fasc. **8** 1924.

Perisama hazarma ♀ described Ecuador p. 249 fig., Krüger Intern. ent. Zs. **19.**

Phyciodes levina **subsp. n.** *werneri* Colombia p. 193, Hering & Hopp Iris **39.**

Polygonia c-album **abb. n.** *delta-album* p. (46), *uncipuncta* p. (48) Austria figs., Joseph Verh. zool.-bot. Ges. Wien **69** 1919; generations p. 15 figs., Gönner Int. Ent. Ver. Buchbeilage **1925.**

Precis orithya **subsp. n.** *cheesmani* Arabia p. 151, Riley Ann. Mag. N. H. (9) **15.**—*P. villida* **subsp. n.** *chagoensis* Chagos Is. p. 33, Watkins Entomologist **58.**

Prepona werneri **sp. n.** Colombia p. 194 fig., Hering & Hopp Iris **39.**

Pyrameis cardui **ab. n.** *schoenfellneri* Austria p. 29 fig., Hoffmann Zs. österr. Ent.-Ver. **10**; **ab. n.** *takesakiana* Japan p. 145 fig., Kato Insect World **29**; biology pp. 33–39 fig., Leefmans De Tropische Natuur **1924**; migration p. 535 figs., Williams Nature **115.**—*P. atalanta* **ab. n.** *testacea* Loire-Inférieure p. 59, Pionneau Bull. Soc. Sci. nat. Nantes (4) **4** 1924; biology p. 10, Ebert Ent. Zs. **39**; hibernation p. 45, Gönner Ent. Zs. **39.**

Rathora isaeae **f. n.** *isaeoides* Szechuen p. 218, Draeseke Iris **39.**

Symphaedra parva p. 234, (*Euthalia*) *cyanipardus* (?) *clara* p. 233, notes on Indo-Australian, Röber Ent. Mitt. **14.** — *S. philomena* **f. n.** *oreophila* New Guinea p. 185, Röber Stett. ent. Ztg. **85.**

Timelea maculata **ab. n.** *stötzneri* Pekin p. 212, Draeseke Iris **39.**

Vanessa virginiensis **ab. n.** *massachusettensis* Massachusetts p. 198 fig., Gunder Ent. News **36.**—*V. io* **ab. n.** *hackrayi* p. 6; *urticae* **ab. n.** *albapicata* p. 81 Belgium, Cabeau Rev. mens. Soc. ent. Namur **25.** — *V. urticae* **ab. n.** *lydiae* Trans-Silesia p. 208, Dublitzky D. ent. Zs. Iris, Dresden **39**; **ab. n.** *extrema* Bohemia p. 143, Schönfelder Ent. Zs., Frankfort on M. **39** 1925; effect of hot summer (1911) on, p. 14, Kaiser Mitt. münchn. ent. Ges. **9** 1919. —*V. xanthomelas* **subsp. n.** *sachalinensis* Saghalien p. 97 fig., Matsumura J. Coll. Agric. Hokkaido Imp. Univ. **15**; **var. n.** *cibinensis* Carpathians p. 6, Dannehl Ent. Zs. **39.**

Libytheidae.

Libythea celtis **abb. n.** *denudata*, *separata* S. Tyrol p. 64, Dannehl Ent. Zs. **39.**

Erycinidae (Riodinidae).

Abisara chela **subsp. n.** *kalawna* India p. 324 fig., Evans J. Bombay Nat. Hist. Soc. **30.**

Agnostogyna **gen. n.** for *Pandemos* (Erycinidae nec Pieridae) p. 176, Röber Stettin. ent. Ztg. **86.**

Alesa prema **ab. n.** *nigra* Trinidad p. 415, Kaye Trans. Ent. Soc. Lond. **1924.**

Ancyluris aulestes **subsp. n.** *micans* Ecuador p. 411, Stichel D. ent. Zs. **1924.**

Anteros aerosus **sp. n.** Brazil p. 420, Stichel t.c.

Barbicornis mona **f. n.** *monacha* Brazil p. 411, Stichel t.c.

Comphotis sinuata **sp. n.** Brazil p. 53, Stichel Zs. wiss. Insektenbiol. **20.**

Emesis lucinda **subsp. n.** *condigna* Brazil p. 84, Stichel t.c.

Euselasia cafusa **f. n.** *eunaeola* p. 14; *murina* p. 16, *phrygia* p. 17 **spp. n.**; *mys* **ff. n.** *zonaria*, *crinina*, *imbona* p. 15; *thucydides* **subsp. n.** *mutica* p. 260, Brazil, Stichel t.c.

Lepricornis see *Otacustesis.*

Lymnas albugo **subsp. n.** *limbata* Brazil p. 259, Stichel Zs. wiss. Insektenbiol. **20.**

Lyropteryx apollonia **subsp. n.** *sparsa* Brazil p. 410, Stichel D. ent. Zs. **1924.**

Mesene bigemmis, *boyi* **spp. n.** Brazil p. 54, Stichel Zs. wiss. Insektenbiol. **20.**

Mesosemia nora **sp. n.** Brazil p. 20, Stichel Zs. wiss. Insektenbiol. **20.** *M. methion* **subsp. n.** *albata* Trinidad p. 409, Stichel D. ent. Zs. **1924.**

Monethe alfonsus ♀ described, p. 264, Krüger Intern. ent. Zs., Guben **19.**

Nemeobius lucina notes pp. 86–88, Hennin Rev. mens. Soc. ent. Namur. **25**; **var. n.** *thurneri* Central Europe

p. 6, DANNEHL Ent. Zs. **39**; **var. n.** *fulva* Bavaria p. 134 figs., OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15**.

Nymphidium strati **sp.n.** Trinidad p. 414, KAYE Trans. Ent. Soc. Lond. **1924**.—*N. leucarpis* **sp. n.** no locality p. 263, STICHEL Zs. wiss. Insektenbiol. **20**.

Nymula regulus **subsp. n.** *attilius* no locality, **f. n.** *ingens* Brazil p. 263, STICHEL t.c.

Otacustesis Dyar (=*Lepricornis* Feld.) p. 423, STICHEL D. ent. Zs. **1924**.

Pandemos see *Agnostogyna*.

Phaenochitonia sagaris **subsp. n.** *amazonica* Brazil p. 55, STICHEL Zs. wiss. Insektenbiol. **20**.

Semomesia tenella **subsp. n.** *lucana* Ecuador p. 409, STICHEL D. ent. Zs. **1924**.

Stalachtis lineata **f. n.** *boyi* Brazil p. 92, STICHEL Zs. wiss. Insektenbiol. **20**.

Symmachia urichi **sp. n.** Trinidad p. 415, KAYE Trans. Ent. Soc. Lond. **1924**.— *S. pardalia, fulvicauda* **spp. n.** p. 418; *arion* **subsp. n.** *balluca* p. 414 S. America, STICHEL D. ent. Zs. **1924**.

Taxila dora **subsp. n.** *hainana* Hainan p. 140 fig., RILEY & GODFREY Entomologist **58**.

Themone sublimata **sp. n.** Brazil p. 23, STICHEL Zs. wiss. Insektenbiol. **20**.

Zeonia faunus faunus **ab. n.** *lamonti* Trinidad p. 415, KAYE Trans. Ent. Soc. Lond. **1924**.

LYCAENIDAE.

The Lycaeninae of Br. Columbia, BLACKMORE Proc. Ent. Soc. Br. Columbia **14** 1920 pp. 5–10 fig.

Notes on habits of various palaearctic Theclinae, KORB Mitt. münchn. ent. Ges. **11** 1921 pp. 8–14.

Myrmecophily in Lycaenidae, POMEROY Trans. Ent. Soc. Lond. **1924** pp. lxxiii—lxxix.

Agriades thersites **f. n.** *josephina*; *corydonius* **f. n.** *asturiensis* (with **ab. n.** *syngraphoides*) p. 202; *corydonius* f. *caelestissima* **ab. n.** *deliciosa* p. 203 Spain, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.

Amblypodia anthelus **subsp. n.** *anthea* Burma p. 625; *epimuta* **subsp. n.** *elsiei* p. 627; *ayaba* **subsp. n.** *aurelia* p. 630; *perimuta* **subsp. n.** *regia* p. 635; *areste* **subsp. n.** *arestina* p. 638; *karennia* p. 626, *paralea, cooperi* p. 631, *ariana* p. 628 **spp. n.** India figs., EVANS J. Bombay Nat. Hist. Soc. **30**.

Apharitis **gen. n.** type *Aphnaeus epargyros* Evers. p. 78, key p. 79, *gilletti* **sp. n.** Somaliland p. 85; *acamas* **subspp. n.** *egyptiaca* Egypt p. 88, *cypriaca* Cyprus p. 89, *chitralensis* Chitral p. 90 figs., RILEY Nov. Zool. **32**.

Aphnaeus epargyros see *Apharitis*.

Aslauga bitjensis **sp. n.** Kamerun p. 211; *lamborni* p. 212, *vininga* p. 216 pupae described figs., BETHUNE-BAKER Trans. Ent. Soc. Lond. **1924**.—*A. kallimoides* see *Paraslauga*.

Brephidium exilis **ab. n.** ♀ *coolidgei* California p. 2 fig., GUNDER Ent. News **36**.

Celestrina (*Cyaniris*) *sachalinensis* **sp. n.** Saghalien p. 105 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Chilades laius **subsp. n.** *tavoyana* India p. 344 fig., EVANS J. Bombay Nat. Hist. Soc. **30**.

Chrysophanus amphidamas **ab. n.** *minor* Belgium p. 92, DERENNE Rev. mens. Soc. ent. Namur. **25**.—*C. dispar* correction, var. *burdigalensis* Lucas 1st gen., *rutilus* Wernb. 2nd gen. Bordeaux p. 222, PIONNEAU Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925; **ab. n.** *obscurior* Styria p. 288, HOFFMANN Mitt. Natw. Ver. Steierm. **50** 1914.—*C. virgaureae* ab. p. 22 fig., ARNOLD Mitt. münchn. ent. Ges. **10** 1920.

Cigaritis synonymy and descriptions p. 70; *allardi* **subsp. n.** *meridionalis* p. 72; *zohra* **f. n.** *oberthueri*; **subspp. n.** *littoralis* p. 75, *orientalis* p. 76, N.W. Africa figs., RILEY Nov. Zool. **32**.—*C. zohra* **subsp. n.** *monticola* Morocco p. 270, RILEY Entomologist, London **58**.

Cupido sebrus **r. n.** *pseudolorquinii* Spain p. 76, VERITY Ent. Rec., London **37**.

Cyaniris argiolus **ab. n.** *microdes* Belgium p. 7, CABEAU Rev. mens. Soc. ent. Namur. **25**.

Euchrysops contracta **subsp. n.** *nila* p. 339; *pandava* **subsp. n.** *lanka* p. 340 India fig., EVANS J. Bombay Nat. Hist. Soc. **30**.

Everes parrhasius **subsp. n.** *pila* India p. 340 fig., EVANS t.c.—*E. fischeri* **subsp. n.** *sachalinensis* Saghalien p. 105 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Glaucopsyche xerces f. *mertila* **ab. n.** ♂ *huguenini* California p. 3 fig., GUNDER Ent. News **36.**

Heodes thersamon **f. n.** *militaris* Palestine p. 66, GRAVES Trans. Ent. Soc. Lond. **1925.**—*H. heteronia* **ab. n.** *coloradensis* Colorado p. 194 fig., GUNDER Ent. News **36.**

Hirsutina damon **f. n.** *noguerae* Spain p. 203, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.

Horaga achaja ♀ described Siam p. 141 fig., RILEY & GODFREY Entomologist **58.**

Hypochrysops gemma, argyriorufa **spp. n.** Dutch New Guinea p. 41 figs., EECKE Nova Guinea **15** 1924.

Ilerda stötzneri **sp. n.** Szechuen p. 223, DRAESEKE Iris **39.**

Iolaus bryki **sp. n.** E. Africa p. 210, AURIVILLIUS Ent. Tidskr. **46.**

Jamides celeno **subspp. n.** *blairana* Andamans, *nicevillei* Great Nicobar p. 614, *lugine* **subsp. n.** *purpura* Burma p. 615 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**

Lampides boeticus **var. n.** *obsoleta* India p. 351 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**—See *Tarucus.*

Leptotes marina **ab. n.** ♀ *violacea* California p. 6 fig., GUNDER Ent. News **36.**

Liphyra brassolis puparium and cast larval skin p. 221 figs., BETHUNE-BAKER Trans. Ent. Soc. Lond. **1924.**—*L. grandis* and *extensa,* a correction p. 146, GAEDE D. ent. Zs. **1925.**

Loweia alciphron **ff. n.** *insignis, paupercula* Spain p. 201, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.

Lycaena argus, classification of allied spp. pp. 34–36, 42–48, 55–56, BEURET Rev. mens. Soc. ent. Namur. **25**; **var. n.** *uliginosa* Germany p. 39, DANNEHL Mitt. münchn. ent. Ges. **11** 1921; **ab. n.** *caerulescens* Estonia p. 36 (sep. pp.), PETERSEN Beitr. Kunde Est- Liv- & Kurlands **1902**; ab. described p. 50 fig., ARNOLD Mitt. münchn. ent. Ges. **8** 1919.—*L. cyllarus* **ab. n.** *stigmatosa* Belgium p. 65, CABEAU Rev. mens. Soc. ent. Namur. **25.**—*L. argyrognomon* **f. n.** *nocensis, baton* **f. n.** *oicles* p. 72, *amanda* **f. n.** *andreas, donzeli* **f. n.** *caerulea* p. 76 S. Tyrol, DANNEHL Ent. Zs. **39.**—*L. pylaon* **subsp. n.** *indica; loewii* **subsp. n.** *sanoga; iris* **subsp. n.** *ashretha; astorica* **sp. n.** p. 346, *galathea* **subsp. n.** *chitralica* p. 347 India figs., EVANS J. Bombay Nat. Hist. Soc. **30.**—*L. icarus* **ab. n.** *albolimbata* (Baumann) Germany p. 44 fig., FRITSCH Mitt. münchn. ent. Ges. **11** 1921.—*L. eros,* biology pp. 69–71 fig., KEHRMANN Schweiz. ent. Anz. **4.** — *L. sebrus minimus* reproductive organs pp. 67–68, LACREUZE Bull. Soc. lép. Genève **5** 1922.—*L. bellargus* **ab. n.** ♀ *flavomaculata* Austria p. 42, LEKIC Zs. österr. Ent.-Ver. **9** 1924; var. *caelestis* **ab. n.** *lallemandi* France p. 23, PIONNEAU Échange **39** 1924.—*L. argiolus* f. *mauretanica* **n. n.** for *algirica* p. 214, ROTHSCHILD Nov. Zool. **32.**—*L. thersites* description of generations Lyons p. 14, SAMSON Bull. Soc. lép. Genève **5** 1922; notes pp. 103–106, 113–115, ZÜLLICH Zs. österr. Ent.-Ver. **10.**—*L. semiargus* **subsp. n.** *transiens* Alps p. 74, STAUDER Ent. Anz. **5**; *L. optilete* var. *cyparissus* **ab. n.** *obsoleta* Austria p. 25, ZÜLLICH Zs. österr. Ent.-Ver. **9** 1924.

Lycaenesthes paupercula **var. n.** *elgonensis* E. Africa p. 210, AURIVILLIUS Ent. Tidskr. **46.**

Lycaenopsis huegelii **subsp. n.** *oreoides* India p. 344 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**

Mitoura siva **f. n.** *juniperaria* California p. 37 figs., COMSTOCK Bull. S. Cal. Acad. Sci **24** 1924.

Nacaduba ancyra **subsp. n.** *vanheurni* Dutch New Guinea p. 41, EECKE Nova Guinea **15** 1924.—*N. dubiosa* **subspp. n.** *indica* Ceylon, *fulva* Andamans p. 613 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**—*N. angusta* **f. n.** *albida* Siam p. 141 fig., RILEY & GODFREY Entomologist **58.**

Paraslauga **gen. n.** for *Aslauga kallimoides* Schultze p. 206 figs., BETHUNE-BAKER Trans. Ent. Soc. Lond. **1924.**

Phaedrotes piasus var. *catalina* **ab. n.** ♂ *gorgonioi* California p. 4 fig., GUNDER Ent. News **36.**

Philotes battiodes var. *bernardino* **ab. n.** ♀ *baldyensis* p. 3; *sonorensis* **f. n.** *comstocki* p. 6, California fig., GUNDER t.c.

Plebeius list of Br. Columbian pp. 7–8, *saepiolus* **r. n.** *insulanus* Br. Columbia p. 8 figs., BLACKMORE Proc. Ent. Soc. Br. Columbia **14** 1920.—*P. sephyrus* **subsp. n.** *philbyi* Transjordania p. 55 figs., GRAVES Trans. Ent. Soc. Lond. **1925.**—*P. monticola* **abb. n.** ♀ *pallida* p. 3, *malcolmi* p. 195 California figs., GUNDER Ent. News **36.**

Polyommatus icarus seasonal forms Palestine p. xxi, GRAVES Trans. Ent. Soc. Lond. **1925.**—*P. eros* **subsp. n.** *droshana* p. 349; *sarta* **subsp. n.** *rupala* p. 350 India fig., EVANS J. Bombay Nat. Hist. Soc. **30.**—*P.* spp. notes, p. 37, QUERCI Ent. Rec. **37.**—*P. coridonhylas* supposed hybrid p. 21, GOODMAN, TURNER & PIERCE Ent. Rec. **37.**

Poritia erycinoides **subsp. n.** *elsiei* India p. 334 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**

Raywardia telicanus **subsp. n.** *tetrica* Spain p. 45, de SAGARRA Butll. Inst. Cat.—See *Syntarucus.*

Ruralis betulae aberration pp. 104–106 figs., TURNER Ent. Rec., London **37.**—See *Zephyrus.*

Simiskina pasira **subsp. n.** *dohertyi* India p. 335 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**

Strymon spini **f. n.** *bofilli* Spain p. 200, de SAGARRA Butll. Inst. Cat. (2) **4** 1924.

Syntarucus telicanus distribution p. 12, TURNER Ent. Rec. **37.**—See *Raywardia.*

Tajuria cippus **subsp. n.** *malcolmi* Hainan p. 142 fig., RILEY & GODFREY Entomologist **58.**

Talicada nyseus **subsp. n.** *burmana* India p. 338 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**

Tarucus boeticus **ff. n.** *boeticoides, immarginata, nigrita, pygmaea* Trieste, Dalmatia p. 68, STAUDER Ent. Anz. **5.**—See *Lampides.*

Thaduka multicaudata **subsp. n.** *kanara* India p. 624 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**

Thecla bieti **subsp. n.** *irma* Bhutan p. 620 fig., EVANS J. Bombay Nat. Hist. Soc. **30.**—*T. werneri* **sp. n.** Colombia p. 196, HERING & HOPP Iris **39.**—*T. bourkei* **sp. n.** Trinidad p. 416, KAYE Trans. Ent. Soc. Lond. **1924.**

Turania baton **subsp. n.** *nabataeus* Transjordania p. 62 fig., GRAVES Trans. Ent. Soc. Lond. **1925.**

Zephyrus betulae **ab. n.** *steinbuhleri* Styria p. 287, HOFFMANN Mitt. Natw. Ver. Steierm. **50** 1914.—*Z. ataxus* **var. n.** *kirishimaensis* Japan pp. 584–588 figs., OKAJIMA Dobuts. Z. **34** 1922.—*Z. yakushimaensis* **sp. n.** Japan pp. 391, 417 figs., YAZAKI Dobuts. Z. **35** 1923.—See *Ruralis.*

PIERIDAE.

Notes on variations in Pieridae in Jura, d'AURIOL Arch. Sci. phys. (4) **44** 1917 pp. 32–47, 111–121.

Pupation of Pieridae, CALAND Ent. Ber. **6** pp. 388–396.

Anthocharis reakirti **ab. n.** *wrighti* California p. 52, COMSTOCK Bull. S. Cal. Acad. Sci. **23** 1924.—*A. sara* **f.** *reakirti* **ab. n.** ♂ *sternitzkyi* California p. 4 fig., GUNDER Ent. News **36.**—*A. cardamines* **subsp. n.** *kobayashii* Saghalien p. 91 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*A. cardamines* **ab. n.** *divisa* S. Russia; *gruneri armeniaca* **f. n.** *tkatschukovi* Armenia p. 97, **ab. n.** *decolor* Pontus p. 98; *damone* **ab. n.** ♀ *flavoapicata* Greece p. 99, SHELJUZHKO Mitt. münchn. ent. Ges. **15.**—*A. cardamines* **ab. n.** *hybridophana; damone* **ab. n.** *privimacula* p. 24, STAUDER Mitt. münchn. ent. Ges. **12** 1922.—See *Euchloë.*

Aporia crataegi **subsp. n.** *augustior* Transjordania p. 73 fig., GRAVES Trans. Ent. Soc. Lond. **1925**; **ab. n.** *minima* Belgium p. 5, CABEAU Rev. mens. Soc. ent. Namur. **25**; **subsp. n.** *sachalinensis* Saghalien p. 90 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**; **subsp. n.** *shugnana* W. Pamir p. 96, SHELJUZHKO Mitt. münchn. ent. Ges. **15.**

Belenois java teutonia oviposition p. 199, RAFF Vict. Nat., Melbourne **41.**

Calopieris eulimine life-history pp. xxvi–xxviii, WATERFIELD Trans. Ent. Soc. Lond. **1925.**

Colias palaeno var. *europome* **ab. n.** *binotata* Belgium p. 38, CABEAU Rev. mens. Soc. ent. Namur. **25.**—*C. hyale* **ab. n.** *immaculata* Belgium p. 92,

DERENNE t.c.—*C. eurytheme* var. *alba* gynandromorph p. 263 figs., GEROULD J. Exptl. Zool. **42**.—*C. euxanthe* **ab. n.** *dimorpha* Peru p. iv, HEMMING Trans. Ent. Soc. Lond. **1925**. — *C. phicomone* **ab. n.** *pallida* Styria p. 209, HOFFMANN Mitt. natw. Ver. Steierm. **50** 1914.—*C. lesbia* gynandromorph p. 89, JORGENSEN Rev. Soc. cient. Paraguay **1** 1924.—*C. edusa* **abb. n.** ♀ *crassesignata, decurtata, saturatior, unimaculata* p. 16, ♂ *enervata* Austria, *retracta* Trieste p. 17, *flammea* Austria p. 18, KITT Zs. österr. Ent.-Ver. **9** 1924.—*C. myrmidone,* breeding and variability, many **abb. n.** described Austria pp. 24–26, 33–36, 43–46, 53–56, 61–63, 69–79 figs., PIESZCZEK Zs. österr. Ent.-Ver. **2** 1917; **abb. n.** *angustimarginata, pseudomaureri* Regensburg p. 25, METSCHL Intern. ent. Zs. **19**; 3rd brood discussed pp. 35–45, MAYER & RONNICKE Mitt. natw. Ver. Steierm. **53** 1917.—*C. hyale* **abb. n.** *flavoradiata, pseudohelice, albescens* p. 6, *flavoapicalis* p. 7; *edusa* **ab. n.** *pupillata* p. 7; *myrmidone* **abb. n.** *striata, unipuncta, pallidomaculata, demarginata, opposita* p. 8, *inspersa, rima, mediocarnea* p. 11, *bicolor, minor* p. 12, METSCHL Mitt. münchn. ent. Ges. **12** 1922.—*C. phicomone* **f. n.** *flava* Bavaria p. 67, OSTHELDER Beil. 1. Mitt. münch. ent. Ges. **15**.—*C. phicomone* **ab. n.** *unimaculata* Basses-Alpes; *croceus* **ab. n.** *oberthuri* Gironde p. 23, PIONNEAU Échange, Moulins **39** 1924.—*C. edusa* varr. *pyrenaica, minor* distribution in France pp. 221–222, PIONNEAU Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925.—*C. balcanica* **ab. n.** *rosea* Herzegowina; *phicomone* **ab. n.** *theia* Austria p. 67, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.—*C. hyale* **f. n.** *canarina* Tyrol p. 25, STAUDER Mitt. münchn. ent. Ges. **12** 1922.—*C. euxanthe* ff. *weberbaueri, strandi* Peru p. xvi, TALBOT Trans. Ent. Soc. Lond. **1925**.—*C. poliographus* **ab. n.** *glacilis* Japan p. 39 figs., YOKOYAMA Insect World **26** 1922.—*C. myrmidone* **abb. n.** *pallida, rubroflammea* Moravia p. 20, ZELEZNY Zs. österr. Ent.-Ver. **1** 1916.—*C. hyale* **abb. n.** *striata, opposita* Austria p. 36, ZUSANEK op. cit. **3** 1918.—See *Eurymus*.

Delias dice **subsp. n.** *latoclavata* Dutch New Guinea p. 34, EECKE Nova Guinea **15** 1924.—*D. dice* **subsp. n.** *latimarginata* New Guinea p. 633; *hyparete* **abb. n.** *flavimacula* S. Java, *albiapicalis* Soekaboeni; *momea* **subsp. n.** *huphinoides* Sumatra, p. 635; *manuselensis* **subsp. n.** *brooksi* Amboina; *orphne simanabum* ♂ described p. 636, JOICEY & TALBOT Ann. Mag. N.H. (9) **16**.—*D.*, key to *belladonna* and allied spp. p. 278, systematic notes p. 279, *wilemani* **sp. n.** Formosa p. 281, *belladonna* **subspp. n.** *lugens* Assam, *hedybia* Tenasserim p. 286 figs., JORDAN Nov. Zool. **32**.—*D. dumasi* Buru p. 671, *eximia* New Ireland p. 677 **spp. n.**; *rothschildi* distinct sp., *ariela* Niep. subsp. p. 671; *hyparete* **subsp. n.** *panayensis* Philippines; *sambawana* **subsp. n.** *everetti* South Flores p. 672; *argenthona* **subsp. n.** *insularis* p. 673; *pheres* **subsp. n.** *hyperapproximata*; *mira* **subsp. n.** *reversa* p. 675, *bornemanni* **subsp. n.** *keysseri* p. 676; *meeki* **subsp. n.** *septentrionalis* p. 677 New Guinea; *sacha* **subsp. n.** *gilolensis* Halmaheira p. 673; *bagoë* **subsp. n.** *restricta* New Hanover p. 674; *orphne* **subsp. n.** *tahanica* Malay Peninsula p. 675; *oraia* **subsp. n.** *adonarensis* Pura p. 677; *vidua* ♂ described p. 674; synonymy, ROTHSCHILD Ann. Mag. N. H. (9) **15**.

Dismorphia avonia **subsp. n.** *columbiana* Colombia p. 188, HERING & HOPP Iris **39**.

Euchloë grüneri **var. n.** *macedonica* Macedonia p. 61, BURESCH Mitt. bulgar. ent. Gesellsch. **2**.—*E. ausonides* **varr. n.** *flavidalis, semiflava* California p. 51, COMSTOCK Bull. S. Cal. Acad. Sci. **23** 1924.—*E. creusa hyantis,* life-history pp. 65–68, COOLIDGE Ent. News **36**.—*E. belemia palaestinensis* new seasonal form p. 89, GRAVES Trans. Ent. Soc. Lond. **1925**.—*E. belia* **ff. n.** *alboapicata, brunneoapicata, caudatula, immaculata* Italy p. 24, STAUDER Mitt. münchn. ent. Ges. **12** 1922.—*E. cardamines* gynandromorph p. 63, JÖST Ent. Zs. **39**. — See *Anthocharis*.

Eurema biedermanni **sp. n.** Arizona p. 84, EHRMANN Bull. Brooklyn Ent. Soc. **20**.

Eurymus behri **var. n.** *canescens* California p. 3 fig., COMSTOCK Bull. S. Cal. Acad. Sci. **24**.—See *Colias*.

Gonepteryx aspasia notes p. 41, RÖBER Mitt. münchn. ent. Ges. **15**; notes p. 100, WARNECKE t.c.—*G. cleopatra* **f. n.** ♀ *citrina* Greece p. 100, SHELJUZHKO t.c.

Huphina aspasia **subsp. n.** *mysolensis* Mysol p. 637, JOICEY & TALBOT Ann. Mag. N.H. (9) **16.**

Kricogonia terissa ab. *unicolor* G. & S. (= *xanthophila* Röb.) p. 164, HALL Entomologist **58.**

Leptidia sinapis **ab. n.** *minor* Belgium p. 92, DERENNE Rev. mens. Soc. ent. Namur. **25**; **var. n.** *fragilis* Tyrol p. 6, DANNEHL Ent. Zs. **39**; **f. n.** *patunae* Trieste etc. p. 25, STAUDER Mitt. münchn. ent. Ges. **12** 1922.

Midea scolymus Butl., a gynandromorph, **ab. n.** *umbratilis* Japan p. 99, SHELJUZHKO Mitt. münchn. ent. Ges. **15.**

Mylothris canescens ♀ described p. 643, *croceus* **f. n.** *marginea* Kivu, E. Africa p. 644, JOICEY & TALBOT Ann. Mag. N.H. (9) **16.**

Pieris brassicae embryology pp. 449–455 fig., GRANDORI Atti Accad. Lincei Ser. 6, **2**; cytology p. 1797 figs., BATHELLIER C.R. Acad. Sci. **180**; nervous system pp. 43–52 fig., HANSTRÖM Ent. Tidskr. **46**; colour variations p. 65, FISCHER Intern. ent. Zs. **19**; hibernation of larva p. 47, PICTET Bull. Soc. lép. **5** 1922; migration in 1917, Switzerland p. 356, PICTET Arch. Sci. Phys. (4) **45**; **ab. n.** ♀ *biligata* Belgium p. 38, CABEAU Rev. mens. Soc. ent. Namur. **25**; **ab. n.** *fasciata* Alps p. 122 fig., KIEFER Zs. österr. Ent.-Ver. **3** 1918; **f. n.** *glaseri* Berlin p. 276, MÜLLER Intern. ent. Zs., Guben **18** 1925; subsp. *cinyphia* **ff. n.** *vernalis, sublutea* Cyrenaica p. 1, TURATI Boll. Mus. Zool. Torino **39** N.S. no. 27.—*P. napi* **ab. n.** *wolenskyi* Austria p. 35 fig., BERGER Zs. österr. Ent.-Ver. **10**; **ab. n.** *napae-divisa* Gironde p. 88, PIONNEAU Proc.-verb. Soc. linn. Bordeaux **76** 1924; var. *bryoniae* normally double-brooded pp. 25–36, STAUDER Mitt. münchn. ent. Ges. **13** 1923; var. *bryoniae* variation p. 201, STAUDER Intern. ent. Zs. **19**; var. *castoria* **ab. n.** *cottlei* California p. 197 fig., GUNDER Ent. News **36.**—*P. rapae* variation pp. 834–845, YOKOYAMA Dobuts. Z. **34** 1924; subsp. *leucosoma* new seasonal form Palestine p. 82, GRAVES Trans. Ent. Soc. Lond. **1925**; **ab. n.** *hyperpunctata* Olchowa p. 39, SCHEFFNER Soc. ent. **40**; **ab. n.** *flavida* Estonia p. 13 (sep. p.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**—*P. sisymbrii* **var. n.** *flavitincta* Br. Columbia p. 19; *napi* **r. n.** *microstriata* California p. 125, COMSTOCK Bull. S. Cal. Acad. Sci. **23** 1924.—*P. ergane* in S. Tyrol, p. 145, DANNEHL Ent. Anz. **5.**—*P. manni* **f. n.** *neglecta* Bozen p. 21; *napi* **ff. n.** *pseudocanidia, rapaeula, regressiva, innocens* Italy p. 22, STAUDER Mitt. münchn. ent. Ges. **12** 1922.—*P. manni*, biology and morphology p. 113, etc., STAUDER Ent. Anz. **5.**—*P. zochalia* **ab. n.** *bryki* E. Africa p. 207, AURIVILLIUS Ent. Tidskr. **46.**

Tatochila sagittata ♀ described p. 69 figs., LINDNER Mitt. münchn. ent. Ges., Munich **11** 1921.

Teracolus daira **f. n.** *flavide-apicata* no locality p. 24, STAUDER Mitt. münchn. ent. Ges. **12** 1922.

Terias sari ormistoni **n. n.** for *rotundalis* Ormiston nec Moore p. 714, WATKINS J. Bombay Nat. Hist. Soc. **30.**

Zerene eurydice **ab. n.** ♂ *newcombi* California p. 4 fig., GUNDER Ent. News **36.**

PAPILIONIDAE.

Colour relation in pupae of Papilionidae, IWASE Insect World **26** 1922 pp. 14–15.

Archon see *Doritis.*

Doritis apollinus **abb. n.** *pretiosa, nocturna* Syria p. 45, SCHAWERDA Zs. österr. Ent.-Ver. **10**; **subsp. n.** *armeniaca* Armenia p. 85, SHELJUZHKO t.c.

Luehdorfia puziloi **abb. n.** *sandigi* p. 32, *amplius-maculata, rebeli, coccinella, anarchista, mandarina, harakiri* p. 32 Siberia fig., BRYK Zs. österr. Ent.-Ver. **6** 1921.—*L. puziloi* **ab. n.** *ochrea* Siberia p. 10, SCHAWERDA op. cit. **7** 1922.

Ornithoptera resplendens Solomon Is., *osiris* Ceram p. 88, *isis* Ceylon p. 89, **spp. n.**, EHRMANN Encyc. ent. Ser. B. III. Lep. **1.**—*O. brookiana* **ab. n.** *futurus*; *flavicollis* **ab. n.** *splendens* Borneo p. 193, KRÜGER Intern. ent. Zs. **19.**

Papilio machaon **ab. n.** *xanthophthalma* Italy p. 17, STAUDER Mitt. münchn. ent. Ges. **12** 1922; **ab. n.** *rufa* Gironde p. 23, PIONNEAU Échange, Moulins **39** 1924; **ab. n.** *niger-rubripunctus* Germany p. 162, GUTH Mitt. Badischen ent. Ver. **7** & p. 84, Intern. ent. Zs. **19**; pupal habits p. 337, BELLING D. ent. Zs. **1925**; food plants p. 185, MEDER Intern. ent. Zs. **19**

and TORKA t.c. p. 117.—*P. podalirius* **abb. n.** *nigromaculatus, obsoletus, privatus* Regensburg p. 25, METSCHL Intern. ent. Zs. **19.**—*P. nox erebus* life history, p. 68 figs., COLERIDGE Singapore Nat. no. **5.**—*P. euryptolemus* ♂ described p. 89, *lindeni* Argentina, *adloni* Ecuador, *eversmanni* Brazil, **spp. n.** p. 90, EHRMANN Encyc. ent. Ser. B. III. Lep. **1.**—*P. asterias* **ab. n.** *ehrmanni* Pennsylvania p. 84, EHRMANN Bull. Brooklyn Ent. Soc. **20.**—*P. eurymedon* f. *albanus* **ab. n.** *cocklei* Br. Columbia p. 200 fig., GUNDER Ent. News **36.**—*P. helenus* var. *niconicollens* habits of adults pp. 163–165, 193–196, 298–302 fig., HAMAGUCHI Insect World **27** 1923.—*P. philetas* **subsp. n.** *magnimacula* Peru p. 647, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**—*P. pausanias* **subsp. n.** *tabaquita* Trinidad p. 414, KAYE Trans. Ent. Soc. Lond. **1924.**—*P. androgeus* **var. n.** *fassli* Brazil p. 43, KNOP Ent. Zs. **39.**—*P. childrenae* **f. n.** *latifasciata, phosphorus* **var. n.** *colombianus* p. 146, *anchises* **var. n.** *isis*; *vertumnus* var. *bogotanus* p. 147, *bacchus* ♀ ♀ described p. 148 Colombia & Surinam, KRÜGER Iris **39.**—*P. bedoci* **sp n.** Fr. Guiana p. 49 figs., LE CERF Encyc. ent. Ser. B. III. Lep. **1.**—*P. bianor* **subsp. n.** *sachalinensis* Saghalien p. 89 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*P. xuthus* habits pp. 409–411, OKAZAKI Insect World **27** 1923.—*P. dardanus* forms and models from Marsabit S. E. of Lake Rudolph p. viii, POULTON Trans. Ent. Soc. Lond. **1925.**—*P. hirundo* Bolivia p. 85, *ampliornatus* Brazil p. 235, **spp. n.**, RÖBER Ent. Mitt. **14.**—*P. fallax* **sp. n.** São Paulo p. 42, *dolicaon* **subsp. n.** *xanthophilus* Ecuador p. 45, RÖBER Ent. Rdsch. **42.**—*P. ulysses* **subsp. n.** *subexectus* New Guinea p. 168, RÖBER Stett. ent. Ztg. **86.**—*P. daunus* description, anatomy p. 144 figs., RUELAS Bol. oficial Secr. Agric. y Fomento **9.**—*P. vertumnus yuracares* ♀ described p. 29, STEINBACH Soc. ent. **40** 1925.

Parnassius synonymy and some new forms S. Bavaria p. 47 figs., OSTHELDER Beil. 1 Mitt. münch. ent. Ges. **15**; sphragidium pp. 246–248, WATSON Entomologist **58.**—*P. mnemosyne* **ab. n.** *kolari* Austria p. 1, BRYK Zs. österr. Ent.-Ver. **7** 1922; **ff. n.** *grossei* Galicia, *schillei*, **var. n.** *wagneri* Rumania p. 30, BRYK Soc. ent. **40**; **abb. n.** *mmeli, bergeri* Austria p. 32, HIRSCHKE & KUNZ in KUNZ & KAMMEL Zs. österr. Ent.-Ver. **7** 1922; **ab. n.** *hyalomarginata* Austria p. 23, HOFFMANN Zs. österr. Ent.-Ver. **9** 1924; **abb. n.** *confusus, albovenatus* Austria, *abductus* Bohemia p. 22, *kramlingerianus* Austria p. 23, KAMMEL in KUNZ & KAMMEL op. cit. **7** 1922; **abb. n.** *leucothea* p. 61, *flavidovenata* p. 62 Austria, REISSER op. cit. **9** 1924; ab. *maculata* referred to ab. *athene* p. 79, SKALA op. cit. **2** 1917; biology p. 265, VORBRODT Intern. ent. Zs. **19.**—*P. apollo* source of sphragidal fluid pp. 11–14 figs., ELTRINGHAM Trans. Ent. Soc. Lond. **1925**; oviposition p. 185, HOFFMANN Ent. Anz. **5**; variability p. 101, LAX Ent. Zs. **39**; var. *vinningensis* notes p. 13, GOLTZ Ent. Zs. **38** 1924; notes pp. 5–10, 17–19, **abb. n.** *immarginatus, reductus, semipictus* p. 18, *bicinctus, diaphanus, monopupillatus, ochreomaculatus, posticelongatus, rubromaculatus* [no localities] p. 19, KAMMEL Zs. österr. Ent.-Ver. **1** 1917; **var. n.** *marcomannus* Austria p. 4 fig., KAMMEL op. cit. **4** 1919; **ab. n.** *caeruleopunctata* Austria p. 42, KOSCHABEK op. cit. **6** 1921; **var. n.** *serpentinicus* Austria p. 2 fig., MAYER op. cit. **10**; **ab. n.** *bryki* Tyrol p. 1, SCHAWERDA op. cit. **6** 1921; r. *nevadenis* notes p. 150, QUERCI Ent. Rec. **37**; **ab. n.** *nigrodivisa* Bavaria p. 26, RIEMEL Mitt. münchn. ent. Ges. **20** 1920; race from Kaisergebirge, N. Tyrol, figured p. 4, SCHAWERDA Mitt. münchn. ent. Ges. Munich **12** 1922.—*P. mnemosyne* **abb. n.** *punctilineata, aspersa, ovalimacula, mandarinus* p. 17; *apollo* **abb. n.** *hydrargyrostigma, asymmetromaculata, asymmetrosecta* p. 18, Italy &c., STAUDER t.c.—*P. apollo* **varr. n.** *meinhardi* W. Siberia p. 57, *tirabzonus* Trebizond p. 67; *mnemosyne* **var. n.** *akbesiana* Syria p. 69, SHELJUZHKO Zs. österr. Ent.-Ver. **9** 1924.—*P. apollo democratus* **ab. n.** ♂ *satanas* Russia p. 86; *discobolus* **abb. n.** *caeca* Central Asia p. 87, *nero* Nian-Shan p. 88; *delphius albulus* **ab. n.** *purissima* Central Asia p. 88, SHELJUZHKO op. cit. **10.**—*P. apollo* **rr. n.** *tridentina, mendolensis*; *mnemosyne* **rr. n.** *carnica, karawakensis* Alps p. 6; *apollo* **rr. n.** *baldensis, stelviana* S. Tyrol p. 49, DANNEHL Ent. Zs. **39.**—*P. ehrmanni* **sp. n.** Tibet p. 91, EHRMANN Encyc. ent. Ser. B. III. Lep. **1.**—*P. phoebus* **abb. n.** *graphica* p. 197, *suffusa* p. 198; *mnemosyne* **ab. n.**

ruhmanni p. 200, Styria, HOFFMANN Mitt. natw. Ver. Steierm. **50** 1914.—*P. sulphurus* **sp. n.** Tibet p. 38 fig., ANTRAM Butterflies of India 1924.—*P. discobolus* **ab. n.** *rubromarginata* Turkestan p. 137, SHELJUZHKO Ent. Anz. **5.**

Sericinus ehrmanni **sp. n.** China p. 91, EHRMANN Encyc. ent. Ser. B. III. Lep. **1.**

Thais polyxena **ab. n.** *fasciata* Austria p. 13 fig., BERGER Zs. österr. Ent.-Ver. **3** 1918; biology pp. 35–40 fig., HORNSTEIN op. cit. **10**; **ab. n.** *inornata* France p. 7, PIONNEAU Échange [**40**] **41**; **abb. n.** *rubra, meridionalis, unimaculata* Moravia p. 20, ZELEZNY Zs. österr. Ent.-Ver. **1** 1916; **ab. n.** *skalae* Moravia p. 37 fig., ZELEZNY t.c.; **ab. n.** *derubescens* Austria p. 37, ZČLLICH op. cit. **7** 1922.

HESPERIIDAE.

Description and biology of Ismeneinae and Plastingiinae, India, BELL J. Bombay Nat. Hist. Soc. **30** pp. 285–305, 561–586 figs.

The types of Hesperioid genera, LINDSEY Ann. Ent. Soc. Amer. **18** pp. 75–106.

Observations on Verity's article on Palaearctic Grypocera, WARREN Ent. Rec. **37** pp. 128–131.

Achlyodes Scudder nec Hübner see *Ouleus.*

Acleros nyassicola p. 153, *aurifrons* p. 154 **spp. n.** Nyasa, STRAND Arch. Natg. **86** 7 (1920) 1921.

Adopaea sylvanus **ab. n.** *alpina* Styria p. 314, HOFFMANN Mitt. natw. Ver. Steierm. **50** 1914.

Agara aurora **sp. n.** Ecuador p. 92, RÖBER Ent. Mitt. **14.**—*A. pardalina* **var. n.** *mapirica* Bolivia p. 141, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Amenis similis **sp. n.** Venezuela p. 86, RÖBER Ent. Mitt. **14.**

Artines tertius **sp. n.** Brazil p. 167, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Artitropa revision of African pp. 281–288, *milleri* **sp. n.** Tanganyika, Rhodesia, Uganda, p. 282, *erinnys* **subspp. n.** *nyasae* Nyasaland, *vansomereni* p. 284, *radiata* p. 285 Kenya figs., RILEY Trans. Ent. Soc. Lond. **1925.**

Atrytone ? *tristis* **sp. n.** Peru p. 95. LINDSEY Denison Univ. Bull. **21.**

Atrytonopsis edwardsi **ab. n.** *polingi* Arizona p. 195 fig., GUNDER Ent. News **36.**—*A.* ? *anomala* **sp. n.** Peru p. 96, LINDSEY Denison Univ. Bull. **21.**

Augiades buddha **ab. n.** *flavomaculata* Szechuen p. 229, DRAESEKE Iris **39.**

Bolla subgisela **sp. n.** Colombia p. 149, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Butleria quadripunctata **sp. n.** Peru p. 91, LINDSEY Denison Univ. Bull. **21.**

Caecina see *Ocyba.*

Caprona canopus **var. n.** *orientalis* E. Africa p. 211, AURIVILLIUS Ent. Tidskr. **46.**

Carcharodus lavatherae **f. n.** *chlorotes* S. Tyrol p. 82, DANNEHL Ent. Zs. **39.**

Carrhenes pallida **sp. n.** Brazil p. 99, RÖBER Ent. Mitt. **14.**

Carterocephalus see *Pamphilida.*

Casyapa tenuis **sp. n.** Dutch New Guinea p. 43 fig., EECKE Nova Guinea **15** 1924.

Catia concepcionis **sp. n.** Chile p. 158, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Celaenorrhinus bryki **sp. n.** E. Africa p. 211, AURIVILLIUS Ent. Tidskr. **46.**

Ceratrichia revision p. 405, *hollandi* **f. n.** *clara*; *crowleyi* W. Africa p. 410, *toroensis* Uganda p. 415, **spp. n.**, RILEY Ann. Mag. N. H. (9) **16.**

Chapra mathias **ab. n.** *hias* B. E. Africa p. 162, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Choristoneura see *Daratus.*

Cymaenes sipariana **sp. n.** Trinidad p. 418, KAYE Trans. Ent. Soc. Lond. **1924.**

Daratus **n. n.** for *Choristoneura* Mab. p. 84, LINDSEY Ann. Ent. Soc. Amer. **18.**

Dichelura see *Jera.*

Echelatus brasilicola **sp. n.** Brazil p. 148, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Enosis inframaculata **sp. n.** Costa Rica p. 168, STRAND t.c.

Entheus latifascius **sp. n.** Colombia p. 197, fig., HERING & HOPP Iris **39.**

Erynnis new Palaearctic races and forms, pp. 41, 54, VERITY Ent. Rec. **37.**

Eudamus chlorothrix **sp. n.** Peru p. 160, RÖBER Ent. Mitt. **14.**

Euphyes catioides **sp. n.** Trinidad p. 418, KAYE Trans. Ent. Soc. Lond. **1924.**

Eutocus ? *quichua* **sp. n.** Peru p. 111, LINDSEY Denison Univ. Bull. **21.**

Eutychide candallariae **sp. n.** Costa Rica p. 166, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Gehenna palawanica **sp. n.** Palawan p. 170, STRAND t.c.

Goniurus virens **sp. n.** Brazil p. 95, RÖBER Ent. Mitt. **14.**

Hasora kieta **sp. n.** Solomon Is. p. 152, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Heliopetes dividua **sp. n.** Colombia p. 99, RÖBER Ent. Mitt. **14.**

Hesperia orbifer subsp. *hilaris* new seasonal form p. 39, GRAVES Trans. Ent. Soc. Lond. **1925.**—*H. serratulae* **abb. n.** *nigra, restricta* p. 317 ; *cacaliae* **ab. n.** *restricta* p. 319 Styria, HOFFMANN Mitt. natw. Ver. Steierm. **50** 1914.—*H. sao* **ab. n.** *subtusbrunnea* Jura p. 46 fig., REVERDIN Bull. Soc. lép. **5** 1922.—*H. cribrellum* described, wrongly figured in revision p. 98 figs., REVERDIN Bull. Soc. lép. **5** 1924.—*H. proto* **f. n.** *aragonensis* Spain p. 203, DE SAGARRA Butll. Inst. Cat. **4** 1924.—*H. andromedae* **ab. n.** *perseus* ; *sao* **ab. n.** *kempnyi* Austria p. 31, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.—*H.*, new Palaearctic races and forms, pp. 55, 72, VERITY Ent. Rec. **37.**—*H. freija* **sp. n.** Europe p. lvi figs., WARREN Trans. Ent. Soc. Lond. **1924.**

Hyda see *Ulva.*

Hypoleucis cretacea **var. n.** *ploetziana* Kamerun p. 155, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Ismene harisa **subsp. n.** *purpurea* Siam p. 143 fig., RILEY & GODFREY Entomologist **58.**

Itys see *Kineta.*

Jemadia albescens Ecuador p. 87, *miodesmiata* Colombia p. 88, *gigantea* p. 156, *extrema* p. 157, no localities, **spp. n.**, RÖBER Ent. Mitt. **14.**

Jera **n. n.** for *Dichelura* Mab. nec Macq. p. 90, LINDSEY Ann. Ent. Soc. Amer. **18.**

Kineta **n. n.** for *Itys* De N. nec Cambr. p. 90, LINDSEY t.c.

Lerodea forbesi **sp. n.** Peru p. 97, LINDSEY Denison Univ. Bull. **21.**

Lychnuchoides nubilus **sp. n.** Brazil p. 97, RÖBER Ent. Mitt. **14.**

Megistias huascari p. 104, *limae* Peru, *leuconoides* Brazil p. 105, **spp. n.**, LINDSEY Denison Univ. Bull. **21.**

Metiscus ? *huaynai* **sp. n.** Peru p. 101, LINDSEY t.c.

Mimambrix woolletti ♀ described Siam p. 142 fig., RILEY & GODFREY Entomologist **58.**

Mimoniades aequatorea Ecuador p. 90, *hemitaenia* Ecuador, Colombia, *inaequalis* Bolivia p. 91, *angustifascia* Ecuador p. 92, **spp. n.**, RÖBER Ent. Mitt. **14.**—*M. pityusa* **ab. n.** *chanchamayonis* Peru p. 141, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Mionectes see *Onzis.*

Mnasilus guianae **sp. n.** Br. Guiana p. 102, LINDSEY Denison Univ. Bull. **21.**

Molo schausi **sp. n.** Peru p. 108, LINDSEY t.c.

Muschampia proto **rr. n.** *nigrita, fulvosatura* Spain p. 54, *gigas* Morocco p. 55, VERITY Ent. Rec. **37.**

Mylon puncticornis **sp. n.** Colombia p. 148, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Myscelus flavicollis **sp. n.** no locality p. 158, RÖBER Ent. Mitt. **14.**

Mysoria erythrostigma Bolivia p. 87, *caucana* Colombia p. 162, **spp. n.**, RÖBER t.c.

Notocrypta feisthamelii **ab. n.** *infrapicta* Andaman Is. p. 170, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Ocyba **n. n.** for *Caecina* Hew. nec Stål p. 94, LINDSEY Ann. Soc. Ent. Amer. **18.**

Onryza siamica **sp. n.** Siam p. 142 fig., RILEY & GODFREY Entomologist **58.**

Onzis **n. n.** for *Mionectes* Mab. nec Cab. p. 94, LINDSEY Ann. Ent. Soc. Amer. **18.**

Ouleus **n. n.** for *Achlyodes* Scudder nec Hübner p. 95, LINDSEY t.c.

Paches gloriosus **sp. n.** locality unknown p. 98, RÖBER Ent. Mitt. **14.**—*P. styx, trifasciatus* **spp. n.** Peru p. 83, LINDSEY Denison Univ. Bull. **21.**

Pamphila silvius **subsp. n.** *isshikii*; *palaemon* **subsp. n.** *muraesi* Saghalien p. 107 figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*P. palaemon* **f. n.** *confluens* S. Bavaria p. 159, OSTHELDER Beil. 1. Mitt. münch. Ent. Ges. **15.**—*P.* auct. see *Pamphilida.*

Pamphilida **gen. n.** for *Carterocephalus* auct. & *Pamphila* auct. p. 95, LINDSEY Ann. Ent. Soc. Amer. **18.**

Parnara pellucida **subsp. n.** *sachalinensis* Saghalien p. 106 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*P. apostologica* **sp. n.** Florida ? p. 160, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Parosmodes icteriana **sp. n.** B. E. Africa p. 156, STRAND t.c.

Pellicia olinda **sp. n.** Brazil p. 146, STRAND t.c.—*P. inca* **sp. n.** Peru p. 80, LINDSEY Denison Univ. Bull. **21.**

Pereneia **gen. n.**, *pandora* **sp. n.** Peru p. 107, LINDSEY t.c.

Phanus obscurior **sp. n.** Trinidad p. 416, KAYE Trans. Ent. Soc. Lond. **1924.**

Phocides parvus Brazil, *vulcanides* Colombia p. 93, *aberrans* Peru, *jemadides* Bolivia p. 94, *palaemonides, albiciliata* no locality, *iocularis* Colombia p. 159, **spp. n.**, RÖBER Ent. Mitt. **14.**

Pholisora atahuallpai p. 86, *mancoi* p. 87, *cordillerae* p. 88, **spp. n.** Peru, LINDSEY Denison Univ. Bull. **21.**

Platylesches depygata p. 163, *affinissima* p. 164, **spp. n.** B. E. Africa, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Plestia see *Zestusa.*

Polites sabuleti **var. n.** *comstocki* California p. 7, GUNDER Ent. News **36.**—*P. bittiae* **sp. n.** Peru p. 95, LINDSEY Denison Univ. Bull. **21.**

Polygonus (*Acolastus*) *histrio* **sp. n.**, *amyntas* **f. n.** *pallida* p. 161 Peru, RÖBER Ent. Mitt. **14.**

Potmanax see *Potmanaxas.*

Potmanaxas **n. n.** for *Potamanax* Watson nec Pilsb. p. 98, LINDSEY Ann. Ent. Soc. Amer. **18.**

Powellia sao **r. n.** *guadarramensis* Spain p. 77, WARREN Ent. Rec. London **37.**

Praxis see *Xispia.*

Protogenes see *Vlasta.*

Pyrrhopyge phoebus Colombia, *olivacea* Peru, *apollo* p. 86, *punctata* p. 156 Bolivia, **spp. n.**, RÖBER Ent. Mitt. **14.**

Pythonides see *Quadrus.*

Quadrus **gen. n.** for *Pythonides* auct. p. 99, LINDSEY Ann. Ent. Soc. Amer. **18.**—*Q. noctis* **sp. n.** Peru p. 79, LINDSEY Denison Univ. Bull. **21.**

Rhabdoides cellus **ab. n.** *aereofuscus* Arizona p. 196 fig., GUNDER Ent. News **36.**

Rhinthon zaba **sp. n.** Argentina p. 165, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Sarbia amoena **sp. n.** Brazil p. 87, RÖBER Ent. Mitt. **14.**

Tarmia **gen. n.** *monastica* **sp. n.** Peru p. 110, LINDSEY Denison Univ. Bull. **21.**

Telegonus antiquus Skinn. (= *dominguensis* J. & T.), *christyi* Sharpe (= *angustus* Skinn.) p. 189, HALL Entomologist **58.**—*T. subblasius* **sp. n.** Argentina p. 143, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Thespieus submarmorata **sp. n.** Trinidad p. 417, KAYE Trans. Ent. Soc. Lond. **1924.**—*T. peruviae* p. 98, *matucanae* p. 99, **spp. n.** Peru, LINDSEY Denison Univ. Bull. **21.**—*T. chlorocephala* **sp. n.** Brazil, RÖBER Ent. Mitt. **14.**

Thymele aulicus Brazil, *albifasciatus* Bolivia, *subfasciatus* Brazil, **spp. n.** p. 96, RÖBER Ent. Mitt. **14.**

Thymelicus acteon **subsp. n.** *phoenix* Palestine p. 44 figs., GRAVES Trans. Ent. Soc. Lond. **1925.**

Timochares ruptifasciatus in Arizona p. 12, BARNES & BENJAMIN Pan-Pacific Ent. **2.**

Tisias fulguratoides **sp. n.** Trinidad p. 417, KAYE Trans. Ent. Soc. Lond. **1924.**

Ulva **n. n.** for *Hyda* Mab. nec Wlk. p. 105, LINDSEY Ann. Ent. Soc. Amer. **18.**

Vehilius lugubris **sp. n.** Peru p. 103, LINDSEY Denison Univ. Bull. **21**.

Vettius phyllides **sp. n.** Brazil p. 99, RÖBER Ent. Mitt. **14**.

Vlasta **n. n.** for *Protogenes* M. & B. nec Saalm. p. 105, LINDSEY Ann. Ent. Soc. Amer. **18**.

Vorates tupaci **sp. n.** Peru p. 107, LINDSEY Denison Univ. Bull. **21**.

Xeniades cecropteroides p. 97, *leucogaster* p. 98, **spp. n.**, Brazil, RÖBER Ent. Mitt. **14**.

Xispia **n. n.** for *Praxis* Mab. nec Guen. p. 106, LINDSEY Ann. Ent. Soc. Amer. **18**.

Zenis leucomelas **sp. n.** Brazil p. 97, RÖBER Ent. Mitt. **14**.

Zestusa **n. n.** for *Plestia* Mab. nec Stål p. 106, LINDSEY Ann. Ent. Soc. Amer. **18**.

Heterocera.

Microlepidoptera of Naumburg a. S., BAUER Mitt. Ent. Ges. Halle a. S. **11** 1917 pp. 3–71 fig.

Sumatran Heterocera, with keys to families and genera and annotated list of spp., van EECKE Zool. Meded. Leiden **8** pp. 153–217.

The microlepidopterous fauna of Upper Austria, HAUDER Jahresber. Mus. Franc. Carol. **72** 1914 sep. pp. 129–160 ; **74** 1916 sep. pp. 161–321.

List of Dutch Microlepidoptera, LYCKLAMA à NIJEHOLT Ent. Ber. **7** pp. 22–26.

List of Microlepidoptera of Lincolnshire, MASON The Lepidoptera of Lincolnshire Part IV pp. 1–45.

Wegener's hypothesis and the distribution of Microlepidoptera, MEYRICK Nature **115** pp. 834–835.

Catalogue of Microlepidoptera of Bremen pp. 249–273, BRINKMANN ; Macrolepidoptera pp. 285–357, RATHJE & SCHROEDER Abh. Naturw. Ver. Bremen **25** 1924.

List of silk-producing Lepidoptera of Brazil, RAYMUNDO Lep. serigen. Brasil **1919** pp. 1–70 27 figs.

SYNTOMIDAE (AMATIDAE).

Catalogue of Indian Syntomidae (Amatidae), FLETCHER Calcutta 1925 35 pp.

Aethria jacksoni **sp. n.** Trinidad p. 418 fig., KAYE Trans. Ent. Soc. Lond. **1924**.

Euchromia lethe larva described Fr. Guinea p. 47 figs., FLEURY Encyc. ent. Ser. B III Lep. **1**.—*E. tawiensis* **sp. n.** Philippines p. 570, SCHULTZE Phil. J. Sci. **28**.

Hoppiana **gen. n.** p. 197, *aspasta* **sp. n.** Colombia p. 198, HERING & HOPP Iris **39**.

Isanthrene basifera **var. n.** *meridae* Venezuela p. 116, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Neritonaclia **gen. n.** p. 113, *argenteogutta* **sp. n.** Br. Guiana p. 114, STRAND t.c.

Saurita tenuis **f. n.** *santonis* Brazil p. 116, STRAND t.c.

ARCTIIDAE.

Agylla nigrifrons Borneo, *reflecta* Venezuela, **spp. n.** p. 239, GAEDE Mitt. Zool. Mus. Berlin **11**.

Amastus suffusa **f. n.** *orosiana* Costa Rica ; *thermidora* **f. n.** *peralta* Colombia p. 418, SEITZ Fauna Americ. **6** 1924.

Anaxita drucei **f. n.** *brueckneri* Guatemala p. 423, SEITZ Fauna Americ. **6** 1924.

Antarctia modesta Maassen (= *altissima* Gaede) p. 250, GAEDE Mitt. Zool. Mus. Berlin **11**.

Arctia caja, breeding of, p. 255, GREB Intern. ent. Zs. **19** ; aberration p. 109 fig., SCHULZ Ent. Zs., Frankfort-on-M. **38** ; **var. n.** *grebi* Wurtemberg p. 51, PFEIFFER Ent. Zs. **38**.—*A. testudinaria* **ab. n.** *flaveofulgens* S. Tyrol p. 16, DANNEHL Ent. Zs. **39**.—*A. wagneri* **sp. n.** Central Asia p. 46 fig., PÜNGELER in WAGNER Zs. österr. Ent.-Ver. **3** 1918.

Asura xanthobasis, *xanthomarginata*, *roseimarginata* New Guinea, *samoana* Samoa, **spp. n.** p. 247, GAEDE Mitt. Zool. Mus. Berlin **11**.

Asuridia phoenicea **subsp. n.** *novaguinensis* Dutch New Guinea p. 44, EECKE Nova Guinea **15** 1924.

Balbura diffusa **sp. n.** Peru p. 244, GAEDE Mitt. Zool. Mus. Berlin **11**.

Baritius nigridorsipeltatus **sp. n.** Argentina p. 117, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Bitecta fasciata **sp. n.** Borneo p. 238, GAEDE Mitt. Zool. Mus. Berlin **11**.

Callimorpha quadripunctaria **ab. n.** *tristis* Austria p. 12, STERZL Zs. österr. Ent.-Ver. **4** 1919.—*C. gigantea* **sp. n.** Assam p. 171, see *Callindra* p. 172, RÖBER Stett. ent. Ztg. **86.**

Callindra **gen. n.** for *Callimorpha gigantea* p. 172, RÖBER t.c.

Calodesma amica **subsp. n.** *occidentalis* Ecuador; *contracta* Wlk. **subspp. n.** *itaitubae*, *apicalis* Brazil; *jordani* Paraguay, *albiapex* Pernambuco p. 432, *quadrimaculata* Bolivia, *tamara* Upper Amazon, *albiplaga* Colombia, *eucyanoides* Upper Amazon, *approximata* Cayenne p. 433 **spp. n.**, HERING in SEITZ Fauna Americ. **6.**

Chamaita bürgersi, *diffusa* **spp. n.** New Guinea p. 249, GAEDE Mitt. Zool. Mus. Berlin **11.**

Chetone see *Pericopis.*

Chionaema flavicaput New Guinea, *schaeferi* Kamerun, **spp. n.** p. 243, GAEDE Mitt. Zool. Mus. Berlin **11.**—*C. benguetana* **sp. n.** Philippines p. 573 fig., SCHULTZE Phil. J. Sci. **28.**

Chrysaeglia samoana **sp. n.** Samoa p. 239, GAEDE Mitt. Zool. Mus. Berlin **11.**

Chrysozana croesus **f. n.** *suffusa* Bolivia p. 250, GAEDE t.c.

Cisthene (*Ozonadia*) *juanita* **sp. n.** Arizona p. 123, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27.**—*C. itatiayae* **sp. n.** Brazil p. 50, ZERNY Anz. Akad. Wiss. Wien **60** 1924.

Clemensia subnigra **sp. n.** Peru p. 246, GAEDE Mitt. Zool. Mus. Berlin **11.**

Coscinia romei **sp. n.** Spain p. 196, de SAGARRA Butll. Inst. Catalana (2) **4** 1924.

Crocodeta parallelaria, *erecta* p. 248, *bivittata* p. 249, **spp. n.** New Guinea, GAEDE Mitt. Zool. Mus. Berlin **11.**

Crocomela minima Bolivia, *orthocraspeda* Peru p. 453, *luxuriosa*, *acuminata* Colombia, *tenuifascia* Ecuador p. 454 **spp. n.**, HERING in SEITZ Fauna Americ. **6.**

Ctenuchidia fulvibasis Jamaica p. 447, *interrupta* Dominica p. 448, **spp. n.**, HERING t.c.

Cyana rosabra **sp. n.** Luzon p. 240, WILEMAN Entomologist, London **58.**

Darantasia biplagiata, *triangulum* **spp. n.** New Guinea p. 242, *apicata* **f. n.** *duplicata* (no locality) p. 243, GAEDE Mitt. Zool. Mus. Berlin **11.**

Diacrisia sannio **ab. n.** *schawerdae* Adriatic coast p. 6, ANGER Zs. österr. Ent.- Ver. **4** 1919.—*D. hoppi* **sp. n.** Colombia p. 250, GAEDE Mitt. Zool. Mus. Berlin **11.**—*D. scioana* **var. n.** *multipicta* S.E. Africa p. 122, STRAND Arch. Natg. **86** A 7 (1920) 1921.—*D. kasloa* early stages pp. 50–51, GIBSON Proc. Ent. Soc. Br. Columbia **4** 1914.—See *Spilosoma.*

Dysschema heliconides **f. n.** *obsoleta* Surinam p. 446, HERING in SEITZ Fauna Americ. **6.**

Ecpantheria suffusa further description pp. 168–169, BARNES & BENJAMIN Pan-Pacific Ent. **1.**—*E. flavopunctata*, hermaphrodite p. 89, JORGENSEN Rev. Soc. cient. Paraguay **1** 1924.—*E. nigriplaga* **ab. n.** *postfusca* Jamaica, Brazil ? p. 123, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Endrosa kuhlweini **ab. n.** *mutans* S. Tyrol p. 16, DANNEHL Ent. Zs. **39.**

Euchaetias crassipyga **sp. n.** Costa Rica p. 124, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Eucharia casta biology, p. 23, FUHR Ent. Zs., Frankfort-on-M. **39.**

Eucyane pylotoides Mexico, *strigifera* Haituba, *rubrifascia* Brazil, *turbida* Colombia, *rubrimaculata* Venezuela p. 436, *chalybea* Bolivia, *ambigua* Honduras p. 437, **spp. n.**, HERING in SEITZ Fauna Americ. **6.**

Eudule variegata see *Syntomidopsis.*

Euryptidia conjuncta **sp. n.** Mexico p. 240, GAEDE Mitt. Zool. Mus. Berlin **11.**

Gangamela figulina see *Scearctia.*

Gardinia amyncta, *paradoxa* Peru, *anopla* Mexico, *boliviensis* Bolivia, **spp. n.** p. 455, HERING in SEITZ Fauna Americ. **6.**

Hemihyalea thalassina **ab. n.** *ochraceovirida* Venezuela p. 119, STRAND Arch. Natg. **86** A 7 (1920) 1921.—*H. mansueta* **ab. n.** *niger*, *battyi* **f. n.** *oligocyla* Costa Rica p. 417, SEITZ Fauna Americ. **6** 1924.

Hyalurga discozellularis **sp. n.** Venezuela p. 128, STRAND Arch. Natg. **86** A 7 (1920) 1921.—*H. fenestra* **f. n.** *supposita* Ucayali p. 448, *lauronoides*, *leucophlebia*, Massanary, *peritta* Brazil, *soroides* Mexico p. 450, *diastilba* Jamaica, *hoppi* Colombia, *scotina* Amazon, *melania* no locality, *putumayana* Colombia p. 451, **spp. n.**, HERING in SEITZ Fauna Americ. **6**.

Ilema divisa Kamerun, *angustifascia* New Guinea, **spp. n.** p. 238, GAEDE Mitt. Zool. Mus. Berlin **11**.—*I. lutarella* **subsp. n.** *diluta* Algeria p. 228, ROTHSCHILD Nov. Zool. **32**.

Illice lativittata **sp. n.** Mexico p. 245, GAEDE Mitt. Zool. Mus. Berlin **11**.

Isostola flavicollaris, *dilatata* Panama, *tenebrata* Bolivia, *nigrivenata* Colombia, Ecuador, **spp. n.** p. 434, HERING in SEITZ Fauna Americ. **6**.

Josia gigantea see *Josiomorphoides*.

Josiomorpha triangulifera **sp. n.** S. America p. 432, HERING t.c.

Josiomorphoides **gen. n.** type *Josia gigantea* Drc., *dognini* **sp. n.** Colombia p. 434, HERING t.c.

Kitanola **gen. n.** *sachalinensis* **sp. n.** Saghalien p. 116 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Lambula bilineata, *flavipuncta* p. 235, *bürgersi* p. 236 **spp. n.**, New Guinea, GAEDE Mitt. Zool. Mus. Berlin **11**.

Lithosia pallifrons in Sweden pp. 213–216, NORDSTRÖM Ent. Tidskr. **46**.

Lycomorphodes albisignata **sp. n.** Rio Songo p. 246, GAEDE Mitt. Zool. Mus. Berlin **11**.

Macaduma curvata, *albilineata* **spp. n.** New Guinea p. 241, GAEDE t.c.

Metagylla angulata **sp. n.** Chaco [Argentina ?] p. 239, GAEDE t.c.

Metalobosia fusca **sp. n.** Mexico p. 245, GAEDE t.c.

Miltochrista flavia Borneo p. 247, *costaesignata* New Guinea p. 248, **spp. n.**, GAEDE t.c.

Neardonaea **gen. n.** *metallica* **sp. n.** Venezuela p. 240, GAEDE t.c.

Nemeophila plantaginis biology Switzerland p. 65, PICTET Bull. Soc. lép. Genève **5** 1924.—See *Parasemia*.

Nodozana transversa **sp. n.** Venezuela p. 245, GAEDE Mitt. Zool. Mus. Berlin **11**.

Nola centonalis **ab. n.** *fumosa* Austria p. 13, BERGER Zs. österr. Ent.-Ver. **3** 1918; **ab. n.** *spitzi* Austria p. 2, SCHAWERDA Zs. österr. Ent.-Ver. **6** 1921.—*N. confusalis* **ab. n.** *fuscocurvata* S. Tyrol p. 16, DANNEHL Ent. Zs. **39**.

Oeonistis quadra **ab. n.** *obscura* Tyrol p. 2, SCHAWERDA Zs. österr. Ent.-Ver. **6** 1921.

Pachycerosia bipuncta **f. n.** *simplex* New Guinea p. 242, GAEDE Mitt. Zool. Mus. Berlin **11**.

Parasemia plantaginis **ab. n.** *gradli* Austria p. 26, MAYER Zs. österr. Ent.-Ver. **6** 1921; **ab. n.** *pallida* Bohemia p. 9, SCHÖNFELD Intern. ent. Zs. **19**; albino p. 51 fig., ARNOLD Mitt. münchn. ent. Ges. **9** 1919.—See *Nemeophila*.

Pelochyta joseensis **sp. n.** Costa Rica p. 118, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Pelosia sachalinensis **sp. n.** Saghalien p. 117, MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*P. muscerda* **ab. n.** *desaburrata* S. Tyrol p. 16, DANNEHL Ent. Zs. **39**.

Pericopis (= *Chetone*, *Thebrone*, *Sermyla*, *Taxila*) p. 426, *kenara* **f. n.** *separata*; *suprema* **sp. n.**; *phaeba* **f. n.** *intersecta* C. America; *studyi* **sp. n.** Colombia p. 438; *hydra* **f. n.** *histriomorpha*; *nigrivenata* Ecuador p. 439, *evanescens* p. 440, *constans* **spp. n.**; *hilara* **f. n.** *mutata* Brazil p. 441; *marginalis* **subspp. n.** *crassifascia* Colombia, *panamensis* Panama; *recta* p. 442, *molesta* Colombia, *unifascia* Paraguay **spp. n.**; *eurocilia* **f. n.** *melaina* Venezuela p. 443; *grassator* Colombia, *moseroides* Bolivia p. 444, *practidoides* Colombia p. 445 **spp. n.**, HERING in SEITZ Fauna Amer. **6**.—*P. malankiatae*, *heliconissa* **spp. n.** Peru p. 126, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Phragmatobia glaphyra manni **ab. n.** *victori* p. 208, DUBLITZKY Iris, Dresden **39**.

Prepiella irregularis **sp. n.** Peru p. 244, GAEDE Mitt. Zool. Mus. Berlin **11**.

Progona aequalis **sp. n.** Brazil p. 238, GAEDE t.c.

Prosiccia trifasciata **sp. n.** New Guinea p. 242, GAEDE t.c.

Protolithosia **gen. n.** *roseivenata* **sp. n.** New Guinea p. 189, RÖBER Stettin. ent. Ztg. **85.**

Protracta **gen. n.** (near *Cremnophora*) for *illuminata* Maassen p. 251, GAEDE Mitt. Zool. Mus. Berlin **11.**

Pseudophaloë **gen. n.**, type *verania* Drc., *stenoxantha* Colombia p. 429, *veranioides* Mexico, *tessmanni* Peru, *tellinoides* Ecuador p. 430, *latifascia* Peru p. 431, **spp. n.**, HERING in SEITZ Fauna Americ. **6.**

Rhodogastria scent-sacs in certain spp. pp. 323–328, *affinis* **subsp. n.** *pallens* Rhodesia p. 325, *invidua* **sp. n.** Sierra Leone p. 327 figs., BETHUNE-BAKER Trans. Ent. Soc. Lond. **1925.**

Rhodographa sulphurea **sp. n.** Brazil p. 243, GAEDE Mitt. Zool. Mus. Berlin **11.**

Sagaris horae see *Sagaropsis.*

Sagaropsis **gen. n.** type *Sagaris horae* Drc. p. 434, *monotona* Peru, *elegans* Bolivia, *brevifasciata* Rosario, *centralis* Venezuela, **spp. n.** p. 435, HERING in SEITZ Fauna Americ. **6.**

Scearctia **gen. n.** for *Gangamela figulina* Btlr. p. 451, HERING t.c.

Scoliacma heringi **sp. n.** New Guinea p. 236, GAEDE Mitt. Zool. Mus. Berlin **11.**

Seirarctia clara **abb. n.** *indistincta, obscurascens* S.E. Africa p. 124, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Sermyla see *Pericopis.*

Spilosoma luctifera winter stages pp. 167–168, KRANCHER Ent. Jahrb. **3** 1894.—*S. luteum* **ab. n.** *laxi* Graz p. 109, LAX Ent. Zs., Frankfort-on-M. **38** 1925. — *S. mandli* **sp. n.** Siberia p. 11, SCHAWERDA Zs. österr. Ent.-Ver. **7** 1922.—See *Diacrisia.*

Spodarctia superpulverea **sp. n.** Mexico p. 3, DYAR Ins. Insc. Mens. **13.**

Syntomidopsis **gen. n.** for *Eudule variegata* Wlk. p. 452, HERING in SEITZ Fauna Americ. **6.**

Taxila see *Pericopis.*

Thallarcha bipunctata **sp. n.** New Guinea p. 248, GAEDE Mitt. Zool. Mus. Berlin **11.**

Thebrone see *Pericopis.*

Thyrgis angustifascia **sp. n.** Bolivia, *childon* **subsp. n.** *columbiana* Colombia p. 428, HERING in SEITZ Fauna Americ. **6.**

Tigrioides angulata, costaepunctata, schraderi **spp. n.** New Guinea p. 237, GAEDE Mitt. Zool. Mus. Berlin **11.**

Trichalis connexa **sp. n.** New Guinea p. 250, GAEDE t.c.

Xenosoma progonum **sp. n.** Peru p. 429, HERING in SEITZ Fauna Americ. **6.**

Zygenosia flavonigra **sp. n.** Dutch New Guinea p. 44 fig., EECKE Nova Guinea **15** 1924.—*Z. medialis, bimarginata* **spp. n.** New Guinea p. 246, GAEDE Mitt. Zool. Mus. Berlin **11.**

HYPSIDAE.

Hypsidae transferred to Arctiidae (according to SEITZ).

AGARISTIDAE.

Xanthospilopteryx melanosoma **ab. n.** *sassana* Belgian Congo p. 111, STRAND Zs. österr. Ent.-Ver. **3** 1918.

NOCTUIDAE.

Notes on Belgian Noctuids, DUFRANE Rev. mens. Soc. ent. Namur. **25** pp. 30–33.

Abdominal brushes in certain male Noctuid moths, ELTRINGHAM Trans. Ent. Soc. Lond. **1925** pp. 1–5 1 pl.

Notes on the biology of some Noctuidae, RANGNOW Zs. wiss. Insektenbiol. **20** pp. 62–66.

The external morphology and postembryology of Noctuid larvae, RIPLEY Illinois Biol. Monogr. **8** pp. 243–344 1924.

Aburina sobrina **var. n.** *rectangulata* Belgian Congo p. 100, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Achaea busira, russoi **spp. n.** Belgian Congo p. 89, STRAND t.c.

Achatodes zeae larva p. 791 figs. ELLIS J. Agric. Res. **30.**

Acronycta aberrations and varieties pp. 306–308, DEMAISON Bull. Soc. ent. Fr. **1925.**—*A. alni* **ab. n.** *eothina* Central Europe p. 6, *rumicis* **f. n.** *meridionalis* S. Tyrol p. 119, DANNEHL Ent. Zs. **39.**—*A. aceris* **ab. n.** *elineata* Belgium p. 32,

DUFRANE Rev. mens. Soc. ent. Namur. **25.**—*A. jezoensis* **sp. n.** p. 119, *pulverosa* **subsp. n.** *sachalinensis* p. 120 Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*A. abscondita* **var. n.** *glaucoptera* Estonia p. 59 (sep. pp.), PETERSEN Beitr. Kunde Est-, Liv- & Kurlands **1902.**—*A. menyanthidis* **f. n.** *nigra* Hamburg p. 276, SCHAEFER Intern. ent. Zs. **18.**—*A. megacephala* **var. n.** *albidior* N. Italy p. 21, WAGNER Zs. österr. Ent.-Ver. **8** 1923.

Adrapsa reticulatis see *Adrapsoides.*

Adrapsoides **gen. n.** for *Adrapsa reticulatis* Leech p. 153, MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Aegle vespertalis **var. n.** *petroffi* Egypt p. 58, ANDRES & SEITZ Senckenbergiana **7.**

Agrotis fimbria **ab. n.** *nigrescens* Germany p. 51, BUSSE Zs. österr. Ent.-Ver. **10.**—*A.*, notes pp. 19–21, (*Epipsilia*) *senescens* **var. n.** *semota* Sajan p. 39, *socors* **sp. n.** Aschabad p. 65 figs., CORTI Schweiz. Ent. Anz. **4.**—*A. cinerea, septentrionalis, turatii* notes pp. 212–233 fig., CORTI Ent. Mitt. **14.**—*A. fatidica* **var. n.** *monedula* Central Europe p. 6; *stringula* **f. n.** *nitescens* p. 120; *castanea* **f. n.** *subrubra* p. 122; *candelarum nigrum* **f. n.** *maerens*; *xanthographa* **ff. n.** *xanthostaxis, astixis; rubi* **f. n.** *floridoides* p. 123; *depuncta* **f. n.** *meridionalis; plecta* **var. n.** *mucidata* p.128; *ypsilon* **f. n.** *fusca; segetum* **f. n.** *pallidaobsoleta* p. 135; *crassa* **ff. n.** *hellwegeri, subalpina* p. 139 S. Tyrol, DANNEHL Ent. Zs. **39.**—*A. collina* **ab. n.** *nigromarginata* p. 343; *simplonia* **ab. n.** *suffusa* p. 363, HOFFMANN Mitt. natw. Ver. Steierm. **51** 1915.—*A. renigera* **ab. n.** *nigrescens* France p. 27, KITT Zs. österr. Ent.-Ver. **10.**—*A. prasina* **ab. n.** *lugubris* Estonia p. 69 (sep. pp.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**—*A. haverkampfi* Standf. redescribed fig. p. 27, SCHAWERDA Mitt. münchn. ent. Ges. **12** 1922.—*A. haverkampfi* notes p. 113, **abb. n.** *leucopolia, melanophila* p. 114, *carola, sagittaria* p. 115 Corsica, SCHAWERDA op. cit. **15.**—*A. collina* **ab. n.** *roseggeri* Austria p. 31 **4** 1919; *candelarum* **ab. n.** *rubescens* no locality p. 2 **6** 1921, *predotae* **sp. n.** Siberia p. 10 **7** 1922, SCHAWERDA Zs. österr. Ent.- Ver.—*A. subrosea* in Hanover p. 78, SCHULTZ Ent. Rec., London **37.**—*A saucia, plecta* scent organs p. 21 fig., SCHULTZ Mitt. münchn. ent. Ges. **13** 1923.—*A. saracenica* **sp. n.** Arabia p. 145 fig., TAMS Ann. Mag. N. H. (9) **15.**—*A. leucogaster* biology pp. 54–58, WAGNER Mitt. münchn. ent. Ges. **13** 1923.—*A. xanthographa* **subsp. n.** *almohada* Tunisia p. 43 fig., WAGNER Zs. österr. Ent.-Ver. **3** 1918.—*A. simplonia* **ab. n.** *umbratilis* Austria p. 11, WAGNER op. cit. **4** 1919.—*A. erythrina* **var. n.** *dalmatina,* **ab. n.** *vulpecula* Dalmatia p. 68, WAGNER op. cit. **8** 1923.—*A. insertans* see *Cerapoda oblita.*—*A. hahama* see *Cerastis lobato.* — See *Rhyacia.*

Amphipyra problematica **sp. n.** Peru p. 208, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Anarta synonymy of some spp. pp. 307–309, *leucocycla* **var. n.** *albertensis* Alberta p. 307, MCDUNNOUGH Can. Ent. **57.**—*A. nigrita* **f. n.** *aterrima* Bavaria p. 7, MEYER Mitt. münchn. ent. Ges. **15.**

Anomogyna sachalinensis p. 129, *tamanukii, griseola* **spp. n.**; *laetabilis* **subsp. n.** *kononis* p. 130; *excavata, acuminata* p. 131, *brunneopicta* p. 132 **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaida Imp. Univ. **15.**

Anophia xylosis **sp. n.** Malaya p. 400, PROUT Ann. Mag. N. H. (9) **16.**

Antiblemma diffinota p. 420, *brassorata, caparata* p. 422, **spp. n.** Trinidad, KAYE Trans. Ent. Soc. Lond. **1924.**

Antitype (*Polia*) *astfälleri* **sp. n.** Austria p. 45 fig., SCHAWERDA Zs. österr. Ent.-Ver. **10.**

Aplectoides furushonis **sp. n.** Saghalien p. 128 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Apopestes cataphanes **ab. n.** *amianta* Croatia p. 67, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Archanara oblonga, laeta p. 185, *sublava* p. 186 early stages U.S.A., BIRD J. New York Ent. Soc. **33.**

Ariolica nephodes **sp. n.** Malay p. 399, PROUT Ann. Mag. N. H. (9) **16.**

Athetis indigena **sp. n.** Arizona p. 20, BARNES & BENJAMIN Pan-Pacific Ent. **2.**—*A. fuscicornis* **subsp. n.** *sachalinensis* Saghalien p. 143 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Athyrma uloptera p. 401, *ptocha* p. 402, **spp. n.** Malaya, PROUT Ann. Mag. N. H. (9) **16.**

Aucha aetha **sp. n.** Singapore p. 397, PROUT t.c.

Audea pseudocatocala **sp. n.** Belgian Congo p. 90, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Bertula leucopis **sp. n.** China p. 410, HAMPSON Ann. Mag. N. H. (9) **15.**—*B. invenusta* see *Raphiscopa.*

Blenina mniois **sp. n.** Selangor p. 399, PROUT Ann. Mag. N.H. (9) **16.**

Bleptinodes **gen. n.** for *Nodaria perumbrosa* Hmps. p. 409, HAMPSON op. cit. (9) **15.**

Bombycia viminalis **ab. n.** *semifusca* Estonia p. 76 (sep. p.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**

Brithys russoi **sp. n.** Belgian Congo p. 77, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Brotolomia meticulosa **ab. n.** *minor* Belgium p. 7, CABEAU Rev. mens. Soc. ent. Namur. **25.**

Bryomima continentis ♂ & *B. oziphona* ♀ see *Homohadena loculosa.*

Bryophila (?) *pica* **sp. n.** Belgian Congo p. 78, STRAND Zs. österr. Ent.-Ver. **3** 1918.—*B. perla* **r. n.** *confinis* S. Tyrol p. 148, DANNEHL Ent. Zs. **39.** —See *Metachrostis.*

Callopistria latreillei **ab. n.** *terlana* Tyrol p. 11, DANNEHL Ent. Zs. **39.**

Calocampa cineritia early stages pp. 86–87, DAY Proc. Ent. Soc. Br. Columbia **5** 1915.

Calpe capuzina **f. n.** *centralitalica* Central Italy p. 12, DANNEHL Ent. Zs. **39.**

Calymnia natalensis **sp. n.** Natal p. 214, PROUT Entomologist **58.**

Caradrina quadripunctata biology p. 107, AUE Ent. Zs. **38** 1924; **ab. n.** *nigrofasciata* p. 118, HOFFMANN Mitt. natw. Ver. Steierm. **52** 1916.

Catocala whitneyi life-history pp. 267–268, DODGE Ent. News **36.**—*C. nupta* **ab. n.** *xanthophaea* Austria p. 47, SCHAWERDA Zs. österr. Ent.-Ver. **10.**—*C. nagioides* **n. n.** for *sancta* Butl. (nec Hulst) p. 287, WILEMAN Entomologist, London **57** 1924.

Cerapoda oblita Grt. synonymy pp. 95–96, BARNES & BENJAMIN Bull. Brooklyn Ent. Soc. **20.**

Cerastis lobato Barnes (= *Agrotis hahama* Dyar) p. 124, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27.**

Cerynea homala **sp. n.** Malaya p. 398, PROUT Ann. Mag. N. H. (9) **16.**

Chabuata calva **sp. n.** (with **f. n.** *apyrina*); *mutina* **f. n.** *andabata* Mexico p. 126; *fusciplaga* p. 127, *associata* p. 128 Brazil **spp. n.,** DRAUDT in SEITZ Fauna Americ. **7** 1924.—*C. signata* early stages p. 182, BIRD J. New York Ent. Soc. **33.**

Chamoclea benjamini **sp. n.** Arizona p. 158, HILL Bull S. Cal. Acad. Sci. **23** 1924.

Chariclea delphinii biological notes p. 207, SCHIRBER Proc.-verb. Soc. linn. Bordeaux **76** (1924) 1925.

Chloridea peltigera **var. n.** *insulata* Barcelona p. 35, NAVÁS Publ. Junta Cièn. Nat. **4** no. 10 1924.—See *Heliothis.*

Cirphis opalisans p. 164, *carnea* p. 165, *clara* p. 166 Colombia, *macellaria* Panama, *biforis* Mexico p. 168, **spp. n.,** DRAUDT in SEITZ Fauna Americ. **7** 1924.—See *Leucania, Sideridis.*

Conistra eriophora **var. n.** *perspicua* Turkestan p. 233, PÜNGELER Iris **39.**

Copablepharon notes in Alberta pp. 287–290, SEAMANS Can. Ent. **57.**

Corsa further described p. 403, *cristata* **sp. n.** Sumatra p. 404, PROUT Ann. Mag. N. H. (9) **16.**

Craniophora ligustri **var. n.** *effusior* Central Europe p. 6, **ff. n.** *viburni, roseoradiata* S. Tyrol p. 120, DANNEHL Ent. Zs. **39.**

Crymodes shibuyae **sp. n.** Saghalien p. 140 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*C. exulis* var. *cervina* in Spitzbergen p. 53, REBEL Norsk Ent. Tiddskr. **2.**

Cucullia jozankeana p. 135, *sachalinensis* p. 136, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*C. bubaceki* **sp. n.** Spain p. 27 fig., KITT Zs. österr. Ent.-Ver. **10.**—*C. dentilinea* **f. n.** *mexicana; emungens* **sp. n.** Mexico p. 174, DRAUDT in SEITZ Fauna Americ. **7** 1924.—*C. platti* **sp. n.** Natal p. 213, PROUT Entomologist **58.**

← p. Timidae p. 284.

Dasypolia templi variability and distribution p. 65, WARNECKE Ent. Zs. **38** 1924.

Dianthoecia compta **ab. n.** *albicincta* Regensburg p. 26, METSCHL Intern. ent. Zs. **19**.—*D. filigrana* var. *xanthocyanea* **ab. n.** *morosa*; *irregularis* **ab. n.** *hellwegeri* Tyrol p. 31 fig., SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.—*D. albimacula* **ab. n.** *ochrea* Carniola p. 30, ZWEIGELT Zs. österr. Ent.-Ver. **3** 1918.

Earias insulana colour variations pp. 53–55, MATHUR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Eligma neumanni **sp. n.** Blue Nile, p. 269, ROTHSCHILD Ann. Mag. N. H., London (9) **16**.

Erastria obliterata **abb. n.** *matutina*, *nocturna* S. Tyrol p. 12, DANNEHL Ent. Zs. **39**.—*E. umbrivaga* see *Radingoes distracta*.

Erastrifacies **gen. n.** (Hypeninae) *schedocala* **sp. n.** Mexico p. 4, DYAR Ins. Insc. Mens. **13**.

Eriopyga epipsilina Rio Grande do Sul p. 132, *proxima* Brazil, *subsimilis*, *chlorocyma* p. 136, *scalaris*, *prasinocyma*, *stenonephra* p. 137 Colombia, *croceifimbria* locality ? p. 138, *fuscescens* Costa Rica **spp. n.**; *polygrapha* **ff. n.** *cuprina*, *monotona* Colombia; *advena* Bolivia, *sutrix* p. 140 (with **f. n.** *fucata*), *trinotata* p. 141 Colombia **spp. n.**; *strigifacta* **ab. n.** *albifusa* p. 144, *diplopis* **ab. n.** *aleuca* p. 145 Mexico; *pariole* **sp. n.** Peru p. 146; *dyari* **n. n.** for *agrotiformis* Dyar; *cirphidia* Costa Rica, *cupreola*, *albitorna* p. 151, *iridescens* (with **f. n.** *aeruscans*), *tenebrosa* p. 152 Colombia, **spp. n.**, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Eublemma amabilis immature stages etc. pp. 238–247, MISRA Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*E. arcuinna* **ab. n.** *rubellina* Austria p. 46, SCHAWERDA Zs. österr. Ent.-Ver. **10**.

Eucalyptra insuetalis **sp. n.** Trinidad p. 421 fig., KAYE Trans. Ent. Soc. Lond. **1924**.

Eutelia pertanda **sp. n.** Mexico p. 3, DYAR Ins. Insc. Mens. **13**.—*E. mima* **sp. n.** Natal p. 214, PROUT Entomologist **58**.—*E. adoratrix*, larva and pupa pp. 73–74, WAGNER Zs. österr. Ent.-Ver. **10**.

Euxoa ridingsiana and allied spp. p. 242, *cooki* **sp. n.** Montana p. 243, MCDUNNOUGH Can. Ent. **57**.—*E. nigrata* **sp. n.** Saghalien p. 121 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*E. distinguenda* **var. n.** *astfälleri* Tirol p. 86, CORTI Mitt. münchn. ent. Ges. **15**.—*E. tischendorfi* p. 231, *flagrans* p. 232, **spp. n.** Syria, PÜNGELER Iris **39**.

Exophila platti **sp. n.** Durban p. 215, PROUT Entomologist **58**.

Facidia sassana **sp. n.** Belgian Congo p. 100, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Feralia deceptiva distribution p. 90, BARNES & BENJAMIN Bull. Brooklyn Ent. Soc. **20**.

Gortyna stramentosa early stages p. 184, BIRD J. New York Ent. Soc. **33**.—*G. flavago* var. *cinarea* see *Hydroecia*.

Grammesia trigrammica note on genetics p. 142, COCKAYNE Ent. Rec., London **37**.

Graptolitha tarda **sp. n.** Arizona p. 13, BARNES & BENJAMIN Pan-Pacific Ent. **2**.

Hadena spp. early stages in Germany p. 93, BOLDT Ent. Zs. **39**.—*H. nectaristis*, *resputa* p. 114, *scurrilis* p. 115, **spp. n.** Colombia, DRAUDT in SEITZ Fauna Americ. **7** 1924.—*H. unanimis* **ab. n.** *nigrobrunnea* Austria p. 14, HOFFMANN Zs. österr. Ent.-Ver. **1** 1916.—*H. platinea* biology pp. 3–8 figs., METSCHL Mitt. münchn. ent. Ges. **13** 1923.—*H. lateritia* **r. n.** *soldana* S. Tyrol p. 280, NOACK Intern. ent. Zs. **19**.—*H. monoglypha* **ab. n.** *intacta* p. 80; *rurea* **ab. n.** *subrurea* p. 81; *pabulatricula* **ab. n.** *semibrunnea* p. 84 (sep. pp.) Estonia, PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902**.—*H. bischoffi* **var. n.** *culoti* Korfu p. 71 fig., SCHAWERDA Mitt. münchn. ent. Ges. **11** 1921.—*H. leuconota* **ab. n.** *immaculata* Syria p. 2, SCHAWERDA Zs. österr Ent.-Ver. **6** 1921.—*H. scolopacina* **abb. n.** *unicolor-nigra*, *unicolor-brunnea* Salzburg p. 39, WAGNER Mitt. münchn. ent. Ges. **12** 1922.

Heliothis obsoleta larva p. 790 figs., ELLIS J. Agric. Res. **30**.—See *Chloridea*.

Herminia derivalis **abb. n.** *delicata*, *fangalis* S. Tyrol, Italy p. 12, DANNEHL Ent. Zs. **39**.

Hillia iris, larva described pp. 164–166, NORDSTRÖM Ent. Tidskr. **46**.

Homoanarta farinosa **sp. n.** Mexico p. 189, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Homohadena loculosa Grote (= *Bryomima continentis* Dyar ♂ & *B. oziphona* Dyar, ♀) p. 125, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27**.

Hydrilla palustris **var. n.** *raebeli* Upper Silesia p. 12, DANNEHL Ent. Zs. **39**; **ab. n.** *obscura* Styria p. 125, HOFFMANN Mitt. natw. Ver. Steierm. **52** 1916.—*H. kitti*, descriptive notes, p. 12, SCHULTZ Ent. Zs. **38**.

Hydroecia flavago S.V. (= *Gortyna flavago* var. *cinarea* Goossens) p. 53, *xanthenes* p. 56, *leucographa* p. 61, *boreli* p. 64 biology, *xanthenes* **f. n.** *goossensi* p. 71, **ab. n.** *uniformis* p. 72 no locality, figs., DUMONT Encyc. ent. Ser. B III. Lep. **1**.—*H.*, key to *nictitans* group p. 189, PETERSEN Lep. Fauna Estland 1924.—See *Xanthoecia*.

Hydroeciodes piacularis, *multesima* p. 121, *mülleri* p. 122 Mexico, *lepida* (with **f. n.** *flavostigma*), *compulsa* Colombia p. 123, **spp. n.**, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Hypena tolmeta p. 216, *puncticosta* p. 217, *neoplyta* p. 218, **spp. n.** Natal, PROUT Entomologist **58**.

Hypenodes costistrigalis **var. n.** *lugubralis* S. Tyrol p. 12, DANNEHL Ent. Zs. **39**.

Hyperiodes sachalinensis **sp. n.** Saghalien p. 135 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Hypocala andamana **n. n.** for *lativitta* Moore (nec Walker) p. 280, WILEMAN Entomologist, London **56** 1923.

Hypoxestia ohtaniensis, *sachalinensis* (with **subsp. n.** *rikovskensis* p. 145) p. 144, *nyiwonis* p. 145 **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Hyssia hampsoni **n. n.** for *sminthistis* Hmps. 1913 nec 1905 p. 129, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Jaspidea celsia **ab. n.** *margaretae* S. Tyrol p. 11, DANNEHL Ent. Zs. **39**.

Lampra pulchrata **sp. n.** Br. Columbia p. 205, BLACKMORE Can. Ent. **57**.

Lasiestra scurrilis, *plumbifusa* Bolivia, *ciocolatina*, *consectatrix* (with **f. n.** *lentiginosa* p. 94) Colombia, **spp. n.**; *carminea* Dogn. transferred from *Nephelodes* p. 93, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Lephana excisata **sp. n.** Trinidad p. 421 fig., KAYE Trans. Ent. Soc. Lond. **1924**.

Leucania lithargyria **ab. n.** *demaculata* Styria p. 113, HOFFMANN Mitt. natw. Ver. Steierm. **52** 1916.—*L. scirpi* larva described p. 105, SCHIRBER Proc.-verb. soc. linn., Bordeaux **76** 1924.—See *Cirphis*.

Leucochlaena hipperis **ff. n.** *pallens*, *colossa* Mexico p. 178, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Lophoceramica artega **f. n.** *eriopygoides* Arizona p. 63, BARNES & BENJAMIN Pan-Pacific Ent. **2**.

Luceria virens **ab. n.** *flava* Merseburg p. 36, WOHLFAHRT Ent. Zs. **39**.

Mamestra calberlai **var. n.** *teriolensis* Central Italy and N. Tyrol p. 7, DANNEHL Ent. Zs. **39**.—*M.* ? *romieuxi* **sp. n.** Geneva p. 96 fig., CULOT Bull. Soc. lép. **5** 1924.—*M. marmorosa* **ab. n.** *obscura* Styria p. 396, HOFFMANN Mitt. natw. Ver. Steierm. **51** 1915.—*M. serratilinea* **varr. n.** *helvetica* Switzerland, *heinrichi* S. France p. 70 figs., SCHAWERDA Mitt. münchn. ent. Ges. **15**.—*M. persicariae* oviposition p. 217, SCHULTZ Intern. ent. Zs. **19**.

Manobia sachalinensis **sp. n.** Saghalien p. 127 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Meganephria albopicta **sp. n.** Saghalien p. 137 fig., MATSUMURA t.c.

Metachrostis perla **ab. n.** *grisea* Belgium p. 33, DUFRANE Rev. mens. Soc. ent. Namur. **25**.—See *Bryophila*.

Metalectra piperata **sp. n.** Trinidad p. 421 fig., KAYE Trans. Ent. Soc. Lond. **1924**.

Metaplusia **gen. n.** for *Plusia* ? *argyra* Druce, *trichodisca* **sp. n.** Mexico p. 5, DYAR Ins. Insc. Mens. **13**.

Metasarca **gen. n.** (Noctuinae) *euphanera* **sp. n.** Mexico p. 5, DYAR t.c.

Metoponia ottoi **sp. n.** Mesopotamia p. 39, SCHAWERDA Mitt. münchn. ent. Ges., Munich **13** 1923.

Minucia verecundoides **sp. n.** Belgian Congo p. 99, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Miselia oxyacanthae colour of larvae p. 226, HAWKINS Entomologist, London **58**.

Mocis undata uberia **n. n.** for *bifasciata* Warren nec Walk. p. 190, WILEMAN Entomologist, London **56** 1923.

Monima pfennigschmidti **sp. n.** Yokohama p. 232, PÜNGELER Iris **39**.

Morrisonia diplogramma Schaus (= *albidior* Barnes and McD.) (= *Scriptania inquisita* Dyar) p. 125, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27**.

Mythimna imbecilla **abb. n.** *rufa*, *obscura*, Styria p. 115, HOFFMANN Mitt. natw. Ver. Steierm. **52** 1916.

Neleucania amoena Bolivia, *roseivena* Colombia p. 170, **spp. n.**, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Nephelistis spadix Costa Rica, *camura* Colombia p. 118, *persimilis*, *stellans* Mexico, *dissentanea* Bolivia p. 119 **spp. n.**, *fluminalis* **f. n.** *albisecta* Colombia & Bolivia p. 120, DRAUDT t.c.

Nephelodes carminea see *Lasiestra*.

Nodaria perumbrosa see *Bleptinodes*.

Nyctodryas **gen. n.** (Acronyctinae) *parthenomorpha* **sp. n.** Mexico p. 4, DYAR Ins. Insc. Mens. **13**.

Obrima pimaensis **sp. n.** Arizona p. 126 a subsp. of *rinconada* p. 168, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27**.

Oligia karafutonis **sp. n.** p. 139, *haworthii* **subsp. n.** *sachalinensis* p. 140 Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Oncocnemis lindseyi **n. n.** for *punctilinea* B. & Linds. nec Hmps. p. 180, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Orrhodia ligula, forms on Baltic coast p. 244, GHIKA & LOIBL Intern. ent. Zs. **19**.

Orthosia humilis **ab. n.** *krauti* Graz p. 109, LAX Ent. Zs., Frankfort-on-M. **38**.—*O. circellaris* **ab. n.** *fusconervosa* Estonia p. 95 (sep. p.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902**.

Palluperina tardenota **sp. n.** France p. 33 figs., JOANNIS Ann. Soc. ent. Fr. **94**; notes on, in Morbihan p. 151, LE PONTOIS Bull. Soc. ent. Fr. **1925**.

Panolis flammea, parasites pp. 23–34, BAER Zs. angew. Ent. **11**.—*P. griseovariegata* **ab. n.** *insulata* Sweden p. 36 fig., BRUNDIN Ent. Tidskr. **46**; notes p. 67, ALBRECHT Ent. Zs. **38** 1924.

Papaipema ochroptena and var. *humuli* life-histories pp. 304–306, BIRD Can. Ent. **57**.

Parallelia conjuncturana **sp. n.** (= *plutonia* Holl. ?) Belgian Congo p. 88, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Parascotia nigricans **sp. n.** Saghalien p. 154 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Parastichtis shibuyae **sp. n.** Saghalien p. 138 fig., MATSUMURA t.c.

Perigrapha praeses life-history pp. 17–19, DAY Proc. Ent. Soc. Br. Columbia **12** 1919.—*P. ferrirena* **sp. n.** Colombia p. 158, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Phlogophora meticulosa abdominal brushes p. 2 figs., ELTRINGHAM Trans. Ent. Soc. Lond. **1925**.

Phobolosia duomaculata **sp. n.** San Benito p. 126, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27**.

Phytometra sachalinensis **sp. n.** Japan p. 150 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—See *Plusia*.

Plathypena scabra biology 19 pp. figs., HILL U.S. Dept. Agric. Dept. Bull. **1336**.

Plecoptera (*Plecopteroides* **subgen. n.**) *chalciope* **sp. n.** Belgian Congo p. 110, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Plecopteroides **subgen. n.** see *Plecoptera*.

Plusia gamma structure of ocelli pp. 277–279 figs., ELTRINGHAM Trans. Ent. Soc. Lond. **1925**.—*P. argyra* see *Metaplusia*.—See *Phytometra*.

Polia stricta **r. n.** *kappa* California p. 12, *luteimacula* **sp. n.** Arizona p. 16, BARNES & BENJAMIN Pan-Pacific Ent. **2**.—*P. rufocincta* **ab. n.** *ruforadiata* Central Europe p. 11, DANNEHL Ent. Zs. **39**.—*P. mülleri* Mexico p. 97, *ardelio* Bolivia p. 99 **spp. n.**; *congener* **ff. n.** *aurantitincta*, *albimacula* Peru p. 101; *paranica* **f. n.** *albescens* Brazil p. 102; *tolimae* **f. n.** *dealbata* Colombia; *opinabilis* Bolivia p. 103, *egregia* Colombia p. 104, *gumia* p. 106, *ganeo*

p. 107 Bolivia **spp. n.**; *laudabilis* **abb. n.** *lichenea, scribillata, egetosa, lunata, conspersa, y-nigrum* p. 109; *roberti* **sp. n.** p. 111 Mexico; *erecta* **abb. n.** *pallens, obscurior, albifascia* Central America p. 112, DRAUDT in SEITZ Fauna Americ. **7** 1924.—*P. pisi* **subsp. n.** *nyiwonis*; *subviolacea* **sp. n.** Saghalien p. 133 figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Poliodestra faeculenta **sp. n.** Colombia p.153, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Polydesma waelbroecki **sp. n.** Belgian Congo p. 99, STRAND Zs. österr. Ent.-Ver. **3** 1918.

Polyphaenis sericata **subsp. n.** *ratisbonensis* Regensburg p. 47, METSCHL Mitt. münchn. ent. Ges. **12** 1922.

Porosagrotis orthogonia climatic distribution, U.S.A. p. 60, COOK Ecology **5** 1924.

Pyrrhia immixta **sp. n.** Mexico p. 5, DYAR Ins. Insc. Mens. **13.**

Radingoes distracta Ev. (= *Erastria umbrivaga* Krul.) p. 38, SHELJUZHKO Zs. österr. Ent.-Ver. **9** 1924.

Raghuva albipunctella **sp. n.** Senegal, Gold Coast p. 258, JOANNIS Bull. Soc. ent. Fr. **1925.**

Raphiscopa **gen. n.** for *Bertula invenusta* Swinh. Sumatra p. 408, HAMPSON Ann. Mag. N. H. (9) **15.**

Radara tincturalis **sp. n.** Trinidad p. 421 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Rhyacia exustiformis, karafutonis p. 124, *isshikii* p. 125, *kononis, furushonis* p. 126, **sp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.** — *R.* (*Agrotis*) *pronuba* **abb. n.** *nuba, pallida* Germany p. 14 fig., KAISER Mitt. münchn. ent. Ges. **9** 1919.—See *Agrotis.*

Rosenia **gen. n.** for *Tapinostola distincta* Bang-Haas p. 10, SCHAWERDA Zs. österr. Ent.-Ver. **7** 1922.

Sarrothripus revayana **r. n.** *columbana* France p. 77, TURNER Ent. Rec., London **37.**

Schistorhynx lobata **sp. n.** Sarawak p. 403, PROUT Ann. Mag. N. H. (9) **16.**

Scriptania inquisita see *Morrisonia diplogramma.*

Seirocastnia key, *magnifica* p. 200, *inca* p. 203, *latimargo* **spp. n.**; *amalthea* **f. n.** *bifasciata* p. 202 Colombia fig., HERING & HOPP Iris **39.**

Sideridis (*Leucania*) *unipuncta* life-history pp. 225–232 figs., YAMADA Insect World **27** 1923.—See *Cirphis.*

Spodoptera abyssinia, cilium distinct spp. pp. 207–209, de JOANNIS Bull. Soc. ent. Fr. **1925.**

Stilpnotia salicis intersexes under influence of cold on pupa pp. 186–192 figs., KOSMINSKY Rev. zool. russe **4** pt. 1–2 1924.

Strigania permira **sp. n.** Peru p. 163, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Syngrapha sachalinensis p. 148, *nyiwonis* p. 149, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Tamba magniplaga **subsp. n.** *pallida* Sumatra p. 404, PROUT Ann. Mag. N. H. (9) **16.**

Tapinostola distincta see *Rosenia.*

Tiracola plagiata **ff. n.** *mediosuffusa magniplaga* S. America p. 124, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Toxocampa ichinosawana **sp. n.** Saghalien p. 152 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Trachea gamma p. 395, *tessellata* p. 396, **spp. n.** Malay, PROUT Ann. Mag. N. H. (9) **16.**

Trichoclea avempacei **sp. n.** Arabia p. 146 fig., TAMS Ann. Mag. N. H. (9) **15.**

Trichopolia suspicionis **sp. n.** Arizona p. 18, BARNES & BENJAMIN Pan-Pacific Ent. **2.**

Triphaenopsis cinerascens **subsp. n.** *sachalinensis* Saghalien p. 142 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Tympanistis fusimargo **sp. n.** Malaya p. 400, PROUT Ann. Mag. N. H. (9) **16.**

Ursogastra lunata **f. n.** *quindiensis* Colombia p. 152, DRAUDT in SEITZ Fauna Americ. **7** 1924.

Westermannia tamsi **sp. n.** Dutch New Guinea p. 51 fig., EECKE Nova Guinea **15** 1924.

Xanthoecia flavago p. 71, *xanthenes* p. 78, *leucographa* p. 80 (with **subsp. n.** *boreli* p. 84) genitalia figs., LE CERF Encyc. ent. Ser. B. III. Lep. **1**.—See *Hydroecia*.

Xanthothrix ranunculi **f. n.** *albipuncta* California p. 14, BARNES & BENJAMIN Pan-Pacific Ent. **2**.

Xylophasia monoglypha abdominal brushes p. 2 figs., ELTRINGHAM Trans. Ent. Soc. Lond. **1925**.

Zanclognatha tarsicristalis **var. n.** *negligens* Central Europe p. 12, DANNEHL Ent. Zs. **39**.—*Z. tenuialis* notes, early stages p. 91, DANNEHL Mitt. münchn. ent. Ges. **15**.

Zosteropoda elevata **sp. n.** Colombia p. 171, DRAUDT in SEITZ Fauna Americ. **7** 1924.

LYMANTRIIDAE (LIPARIDAE).

Arctornis nigrum **var. n.** *pusillata* S. Tyrol p. 107, DANNEHL Ent. Zs. **39**.

Corticomis **gen. n.** *eupterotioides, marmorea* **spp. n.** Dutch New Guinea p. 46 figs., EECKE Nova Guinea **15** 1924.

Dasychira pudibunda morphology p. 25, POPP Ent. Zs. **39**.

Laelia suffusa life-history, early stages pp. 72–76, GATER & YUSOPE Malayan Agric. J. **13**.—*L. farinosa* **sp. n.** Assam p. 172, RÖBER Stettin. ent. Ztg. **86**.

Lymantria dispar intersexes p. 210 figs., EMELJANOWA Rev. zool. russe **4** pt. 1–2 1924; biology pp. 337–340, ESCALERA Bol. R. Soc. esp. Hist. nat. **25**; percentage of male intersexes p. 134, GOLDSCHMIDT Biol. Zentralbl. **45**; gynandromorphs p. 195 figs., KOSMINSKY Rev. zool. russe **4** pt. 1–2 1924; variation of wing venation pp. 67–73 figs., PETKOW Mitt. bulgar. ent. Gesellsch. **2**; sex relations p. 1, PRÜFFER Bull. intern. Acad. polon., B. **1923** 1924; sexual dimorphism p. 477 figs., REICHELT Zs. Morph. Oekol. Tiere **3**.

Ocneria rubea **r. n.** *hillmanni* S. Tyrol p. 108, DANNEHL Ent. Zs. **39**.

Orgyia antiqua Tachinid parasites 4 pp., MILES Trans. Lincoln. Nat. Union **1924**; influence of starvation on larvae pp. 201–206, PARFENT'EV Défense des Plantes **1**.

Porthesia chrysorrhoea synonymy p. 119, PICTET Bull. Soc. lép. **5** 1924.—*P. xuthosterna* **sp. n.** Queensland p. 397, TURNER Proc. Linn. Soc. N. S. W. **49** 1924.

ANTHELIDAE.

Anthela callicesta **sp. n.** N. S. W. p. 399, TURNER Proc. Linn. Soc. N. S. W. **49** 1924.

SPHINGIDAE.

The Sphingidae of Br. Columbia, BLACKMORE Proc. Ent. Soc. Br. Columbia **18** 1921 pp. 25–30.

Male genitalia of German Sphingidae described and figured, SKELL Mitt. münchn. ent. Ges. **11** 1921 pp. 74–82.

Acherontia atropos **ab. n.** *myosotis* Austria p. 31, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919; **ff. n.** *confluens, moira* S. Tyrol p. 87, DANNEHL Ent. Zs. **39**; notes on, p. 61, AUE Ent. Zs. **38** 1924.

Acosmeryx yunnanfuana **sp. n.** Yunnan-fu p. 34, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Amorpha populi abnormal brood p. 207, HAWKINS Entomologist **58**.

Celerio euphorbiae European forms p. 217, BANDERMANN Intern. ent. Zs. **18**; **ab. n.** *sulphurata* pp. 113–114, BANDERMANN Ent. Zs., Frankfort on M. **39**.—*C. euphaës* variation p. 57, FISCHER t.c.—*C.* spp. biology, p. 101, LEDERER Intern. ent. Zs. **19**.

Chaerocampa galiphorbiae **ab. n.** *flavescens; pernoldi* **abb. n.** *rosacea, pallida, imperfecta, unicolor; harmuthi* **ab. n.** *unicolor* Germany p. 106, GÜNTHER Ent. Zs. **38** 1924.

Compsogene mansoni **sp. n.** Sikkim p. 17, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Deilephila nerii life-history Iraq p. 168 fig. (p. 126), HINGSTON Nature at the desert's edge 1925.—*D.* hybr. **n.** *pseudeuphorbiae* p. 11, HORNSTEIN Ent. Zs. **38** 1924.

Eurypteryx pendleburyi **sp. n.** Malay Penin. p. 36, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Hemaris fuciformis **ab. n.** *rebeli* Adriatic coast p. 5, ANGER Zs. österr. Ent.-Ver. **4** 1919.—*H. minima* **sp. n.** no locality p. 90, FRANKENBUSCH Ent. Zs. **38** 1924.

Hippotion celerio, biology pp. 79–80, 84–85, PRACK Ent. Zs. **39**.—*H. jordani* see *Theretra insignis kuehni*.

Hyloicus pinastri **var. n.** *semilugens* Wiesbaden p. 241, ANDREAS Intern. ent. Zs. **18**; **ab. n.** *rubida* Belgium p. 8, CABEAU Rev. mens. Soc. ent. Namur **25**.

Meganoton analis **subsp. n.** *sumatranus* Sumatra p. 12; *yunnanfuana* **sp. n.** S. E. China p. 32, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Neogene steinbachi **sp. n.** Bolivia p. 13, CLARK t.c.

Nephele monostigma **sp. n.** Kamerun p. 35, CLARK t.c.

Oxyambulyx sericeipennis **subsp. n.** *luzoni* p. 14; *canescens* **subsp. n.** *flava* p. 16; *immaculata* p. 14 Philippines, *charlesi* p. 15, *felixi* p. 16 Buru, **spp. n.**, CLARK t.c.

Panacra niasana Clark race of *automedon* Clark p. 11, CLARK t.c.

Pemba oneili **sp. n.** Rhodesia p. 32, CLARK t.c.—*P. cardinalli* **sp. n.** W. Africa p. 258, 1 pl., TAMS Entomologist, London **58**.

Pergesa elpenor **ab. n.** *scheiderbaueri* Austria p. 87, GSCHWANDNER Zs. österr. Ent.-Ver. **9** 1924.

Platysphinx phyllis larva described Fr. Guinea p. 46 figs., FLEURY Encyc. ent. Ser. B. III Lep. **1**.

Polyptychus boisduvali p. 41, *contraria* p. 44, *rosea* p. 45 larvae described Fr. Guinea figs., FLEURY Encyc. ent. Ser. B. III Lep. **1**.—*P. boisduvali* Auriv. (= (*Poliodes*) *senegalensis* Clark) p. 11, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Protoparce convolvuli pupation p. 21, DAVEY Vict. Nat., Melbourne **42**.

Rhagastis aurifera **subsp. n.** *sumatranus* p. 20; *joiceyi* **sp. n.** p. 21 Sumatra; *aurifera* **subsp. n.** *formosana* Formosa; *swinhoei* **sp. n.** Siam p. 37, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Smerinthus jamaicensis **r. n.** *gamma* Colorado p. 37, COCKERELL Entomologist **58**.

Sphinx ligustri **f. n.** *fraxini* S. Tyrol p. 88, DANNEHL Ent. Zs. **39**.

Synoecha marmorata **ab. n.** *dumigani* Queensland p. 33, CLARK Proc. New Engl. Zool. Cl. **9** 1924.

Theretra mansoni Sikkim p. 18, *prattorum* Buru p. 19 **spp. n.**; *insignis kuehni* Roth. (= *Hippotion jordani* Huwe) p. 12, CLARK t.c.

Xylophanes rhodocera Walk. (= *sublaevis* J. & K.) p. 11, CLARK t.c.

THYATIRIDAE.

Cymatophora octogesima **ab. n.** *frankii* France p. 20 fig., BOEGL Mitt. münchn. ent. Ges., Munich **20** 1920.

Polyploca diluta **ab. n.** *asemata* S. Tyrol p. 12, DANNEHL Ent. Zs. **39**.

EUPTEROTIDAE.

Hoplojana zernyi **sp. n.** E. Africa p. 33, GSCHWANDNER Zs. österr. Ent.-Ver. **8** 1923.

Melanothrix nymphaliaria **subsp. n.** *sanchezi* (with **var. n.** *baletana*) Philippines p. 568 figs., SCHULTZE Phil. J. Sci. **28**.

NOTODONTIDAE.

The ventral prothoracic gland of Notodontid caterpillars, DETWILER Can. Ent. **57** pp. 266–271 fig.

Anaphe ambrizia biology Fr. Guinea pp. 405–420, de FLEURY Ann. Soc. ent. Fr. **94**.

Boriza eglossa **sp. n.** Trinidad p. 419 fig., KAYE Trans. Ent. Soc. Lond. **1924**.

Cerura bifida **ab. n.** *renigera* Austria p. 113 fig., BUBAČEK Zs. österr. Ent.-Ver. **9** 1924; aberration p. 93 fig., REISSER Zs. österr. Ent.-Ver. **10**.—*C. furcula* **f. n.** *transsylvanica* S. Tyrol p. 96, DANNEHL Ent. Zs. **39**.—*C. furcula* × *bicuspis* hybrid p. 133 figs., BOWATER Ent. Rec. **37**.—*C. trigonostigma* **sp. n.** Mexico p. 2, DYAR Ins. Insc. Mens. **13**.

Dasylophia colimata **sp. n.** Mexico p. 2, DYAR Ins. Insc. Mens. **13**.

Desmeocraera neavei **sp. n.** Rhodesia p. 142, TAMS Ann. Mag. N. H., London (9) **15**.

Dicranura vinula life-history Iraq p. 118 fig., HINGSTON Nature at the desert's edge 1925; markings of larva pp. 215–217 fig., WESTENBERG Levende Natuur **30**; cocoon p. 25 fig., GRIMSHAW Scot. Nat., Edinburgh **1925**.

Disphragis sexnotata **sp. n.** Trinidad p. 419 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Gluphisia crenata **ab. n.** *tartarus* Austria p. 31, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Hemiceras jacksoni **sp. n.** Trinidad p. 420, KAYE Trans. Ent. Soc. Lond. **1924.**

Heterocampa lunata larva pp. 47–48, DYAR Ins. Insc. Mens. **13.**

Mesodrepta **gen. n.** *harpotoma* **sp. n.** Queensland p. 401, TURNER Proc. Linn. Soc. N. S. W. **49** 1924.

Notodonta ziczac **f. n.** *montion, phoebe* **f. n.** *teriolensis* S. Tyrol p. 96, DANNEHL Ent. Zs. **39.**

Phalera bucephala **f. n.** *velata* S. Tyrol p. 104, DANNEHL Ent. Zs. **39**; **ab. n.** *fasciata* Germany p. 15, fig., KAISER Mitt. münchn. ent. Ges. **9** 1919.

Pterostoma palpina **ab. n.** *obscura* Styria p. 278, HOFFMANN Mitt. natw. Ver. Steierm. **51** 1915.

Ptilophora plumigera **ab. n.** *pallida* Styria p. 280, HOFFMANN t.c.

Rhegmatophila alpina breeding of, p. 93, DIETZE Ent. Zs. **39.**

Shironea **gen. n.**, *nivea* **sp. n.** Saghalien p. 110 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Spatalia argentina biology p. 156 fig., RESSLER Intern. ent. Zs. **19.**

Stauropus fagi, biology p. 95, WENZEL Ent. Zs. **38** 1924.—*S. obliterata* ♀ described p. 51 figs., WILEMAN Entomologist **58.**

Thaumetopoea wilkinsoni **sp. n.** Cyprus p. 293 fig., TAMS Bull. Ent. Res. **15.**—*T. pityocampa* **abb. n.** *convergens, renegata* S. Tyrol pp. 6, 104, DANNEHL Ent. Zs. **39.**

GEOMETRIDAE.

Changes in Geometrid nomenclature with records of spp. new to Br. Columbia, BLACKMORE Proc. Ent. Soc. Br. Columbia **6** 1915 pp. 116–122; **10** 1918 pp. 16–20 figs.

Pectinate antennae in the Geometridae, FORBES Psyche **32** pp. 106–112.

Biological notes on Geometridae, LASS Intern. ent. Zs. **18** pp. 281–283.

New S. African Geometridae, PROUT Ann. S. Afr. Mus. **19** pp. 579–600 2 pls.

List and synonyms of British Geometers, TURNER Ent. Rec. **37** sep. pp. 1–16.

Abraxas grossulariata **subsp. n.** *karafutonis* Saghalien p. 174 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**; numerous **abb. n.**, RAYNOR Compendium named varieties of *Abraxas grossulariata* **1920** pp. 1–7.—*A. marginata* **ab. n.** *albociliata* Germany p. 9, HÖRHAMMER Mitt. münchn. ent. Ges. **13** 1923.—*A. aesia* Loo Choo Is., *lugubris* Malay Penin. p. 46, *prosthetocneca* India p. 47, **spp. n.**, PROUT Nov. Zool. **32.**—*A. prouti* **sp. n.** Shanghai p. 49 fig., WEHRLI Mitt. münchn. ent. Ges. **15.**

Acidalia pygmaeria **rr. n.** *teriolensis* Tyrol, *sirentina* p. 12; *filicata* **ab. n.** *purificata* Italy, **var. n.** *somnambula*; *degeneraria* **ab. n.** *affumigata* S. Tyrol; *fumata* **ab. n.** *resplendaria* Carpathians p. 15, DANNEHL Ent. Zs. **39.**—*A. submutata* **ab. n.** *flava* France p. 28, KITT Zs. österr. Ent.-Ver. **10.**—*A. aglaia* **subsp. n.** *lyauteyi* N. W. Africa p. 249, REUSS Intern. ent. Zs. **19.**—*A. ichonosawana* p. 157, *shiskensis, sachalinensis* p. 158, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*A. marginepunctata* **var. n.** *subatrata* N. Italy p. 11, WAGNER Zs. österr. Ent.-Ver. **4** 1919.

Acidaliastis porphyretica **sp. n.** Madagascar p. 36, PROUT Nov. Zool. **32.**

Agathia obnubilata **subsp. n.** *libera* New Hanover p. 32, PROUT t.c.

Alex longipecten **subsp. n.** *amaura* New Ireland p. 31, PROUT t.c.

Amphidasis betularia f. *carbonaria* distribution in Europe, ULE Intern. ent. Zs. **18** pp. 257–263, map; **19** pp. 74–76.

Anaitis spp. reproductive organs and distribution p. 225, WARNECKE Intern. ent. Zs. **19.**—*A. plagiata* **ab. n.** *kautzi* Austria p. 68, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.—*A. plagiata, efformata*, distinguishing characters, p. 270 figs., WARNECKE Intern. ent. Zs. **18.**

Angerona prunaria **subspp. n.** *infuscata, unicolor* Saghalien p. 176 figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**; **ab. n.** *wenzeli* Tyrol p. 19,

SCHAWERDA Zs. österr. Ent.-Ver. **7** 1922; colour of eggs, p. 263, SCHULTZ Intern. ent. Zs. **18**.

Anisodes metamorpha **sp. n.** Madagascar p. 311 fig., PROUT Trans. Ent. Soc. Lond. **1925**.—*A. minorata* **subsp. n.** *vinotincta* p. 36; *matthias* Bismarck Arch., *tricrista* New Ireland, **spp. n.** p. 37, PROUT Nov. Zool. **32**.

Antimimistis subteracta **sp. n.** India p. 42, PROUT Nov. Zool. **32**.

Aoshakuna **gen. n.** (near *Hemithea*) *sachalinensis* **sp. n.** Saghalien p. 156 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Archichlora chariessa **sp. n.** Madagascar p. 301 fig., PROUT Trans. Ent. Soc. Lond. **1925**.

Arcima mucosa **subsp. n.** *sachalinensis* Saghalien p. 155 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Artemidora alpherakyi **sp. n.** Fergana p. 45 fig., WAGNER Zs. österr. Ent.-Ver. **3** 1918.

Ascotis acicys **sp. n.** E. China p. 310, PROUT Ent. Mitt. **14**.

Aspilates acuminaria **ab. n.** *kitti* China p. 47 fig., SCHAWERDA Zs. österr. Ent.-Ver. **10**.

Asthena chibiana **sp. n.** Saghalien p. 173 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Baptria tibiale **f. n.** *albofalcata* and discussion of variation p. 31 figs., SCHAWERDA Mitt. münchn. ent. Ges. **10** 1920.

Biston stratarius **ab. n.** *permutaria* Germany p. 46, SCHEPP Ent. Zs. **38** 1924.

Blechroneromia **gen. n.** *mianta* (type) p. 304, *eluta*, *perileuca* p. 305, *anthosyne* p. 306, **spp. n.** Madagascar figs., PROUT Trans. Ent. Soc. Lond. **1925**.

Boarmia (*Ectropis*) *bistortata* Goeze × *crepuscularia* Hb. p. 126, CRETSCHMAR Intern. ent. Zs. **19**.—*B. selenaria* **abb. n.** *novilunaria*, *plenilunaria* S. Tyrol p. 16, DANNEHL Ent. Zs. **39**.—*B. ribeata* **ab. n.** *ichinosawana* Saghalien p. 178, *pryeraria* further described p. 179 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*B. glochinophora* Assam, *affinis* Malay Penin., **spp. n.** p. 58, PROUT Nov. Zool. **32**.—*B. coryphocycla* p. 316, *idiochroa* p. 317, **spp. n.** Madagascar figs., PROUT Trans, Ent. Soc. Lond. **1925**.—*B. repandata*. variability pp. 88–91 fig., RAEBEL Jahresh. Ver. schles. Insekt. **14** 1924.—*B.* (*Ectropis*) *bistortata* × *defessaria* hybrid pp. 119–120, SCHREIBER Intern. Ent. Zs. **19**.—*B. lichenaria* **var. n.** *jaspidaria*, **ab. n.** *obliteraria* N. Italy p. 11, WAGNER Zs. österr. Ent.-Ver. **4** 1919.—*B. consortaria* **var. n.** *fasciata*; *roboraria* **ab. n.** *extincta* Austria p. 41 fig., WAGNER op. cit. **5** 1920.—*B. cinctaria* **ab. n.** *duponcheli* N. Italy p. 41; *selenaria* **var. n.** *lutescens* Rumania p. 43, WAGNER op. cit. **8** 1923.—*B. diorthogonia* p. 57, *hyposticta* p. 58, **spp. n.** S. China figs., WEHRLI Mitt. münchn. ent. Ges. **15**.—*B. luridata* **ab. n.** *privata* Austria p. 54, ZWEIGELT Zs. österr. Ent.-Ver. **3** 1918.—See *Ectropis*.

Cabera exanthemata **f. n.** *suprapunctata* Switzerland p. 59 fig., WEHRLI Mitt. münchn. ent. Ges. **15**.

Calletaera digrammata **sp. n.** S. China p. 50 fig., WEHRLI t.c.

Camptogramma bilineata **ab. n.** *virgata* Kent p. 59 fig., HAWKINS Entomologist, London **58**.

Cartaletis monteironis **var. n.** *entebbena* B. E. Africa p. 131, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Cheimatobia boreata **ab. n.** *fasciata* Estonia p. 120 (sep. p.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902**.—*C. brumata* detailed biology pp. 54–88, THIEM Arb. biol. Anst. Berlin **11** 1922.

Chesias angeri **sp. n.** N. Italy p. 24 fig., SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Chlorochlamys rubromediaria **sp. n.** Utah p. 36, CASSINO & SWETT Lepidopterist **4**.

Chrysochloroma electrica **subsp. n.** *herbida* Bismarck Arch. p. 33, PROUT Nov. Zool. **32**.

Cidaria galiata **ab. n.** *brunneata* Spain p. 28, KITT Zs. österr. Ent.-Ver. **10**.—*C. furcata* **abb. n.** *suffumata*, *marmorata*, *radiata*, *meinheiti* Göttingen p. 16, FINKE Ent. Zs. **38** 1924.—*C. alexandrowskana* p. 163, *nyiwonis* p. 164, *tonnaichana* p. 166, *karafutonis*, *commixta* p. 167 **spp. n.**; *hastata* **subsp. n.** *rivoskensis*; *hecate* **subsp. n.** *sachalinensis*;

corydalaria **subsp. n.** *ichinosawana* p. 168; *miyakei* p. 169, (*Karacidaria* **subgen. n.**) *shibuyae* p. 170, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*C. miata* **ab. n.** *radiata* p. 97; *tristata* **ab. n.** *brunnea* p. 98, Finland fig., NESSLING Not. ent. **5.**—*C. aqueata* biology pp. 58–59, SCHNEIDER Mitt. münchn. ent. Ges., Munich **13** 1923.—*C. variata* **r. n.** *britannica* Southampton p. 25, TURNER Ent. Rec. **37.**—*C. alternata* **var. n.** *pseudorivata* N. Italy p. 37, WAGNER Zs. österr. Ent.-Ver. **8** 1923.—*C. contestata* notes p. 60 fig., WEHRLI Mitt. münchn. ent. Ges. **15.**—*C. cyrnea* **sp. n.** Corsica p. 10 fig., WEHRLI Schweiz. Ent. Anz. **4.**

Cleora emphona p. 314, *euplates* p. 315, **spp. n.** Madagascar figs., PROUT Trans. Ent. Soc. Lond. **1925.**—*C. hemiphanes* Java p. 56, *semipullata*, *pammicra* F.M.S. p. 57, **spp. n.**, PROUT Nov. Zool. **32.**

Coenocharis lowensis **sp. n.** California p. 35, CASSINO & SWETT Lepidopterist **4.**

Collix haploscelis New Hanover, *purpurilita* Solomons, **spp. n.** p. 41, PROUT Nov. Zool. **32.**

Colotois (*Himera*) *pennaria* **ab. n.** *korbi* Spain p. 26, SCHAWERDA Mitt. münchn. ent. Ges., Munich **12** 1922.—See *Himera.*

Comibaena obsoletaria adult, larva and egg described pp. 4–7 fig., HORI Insect World **29.**

Comostola nereidaria **subsp. n.** *levata* Bismarck Arch. p. 35, PROUT Nov. Zool. **32.**

Corymica spatiosa **sp. n.** India p. 66, PROUT t.c.

Cosymbia pupillaria **ab. n.** *alogaria* Croatia p. 67, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Craspedosis ernestina **subsp. n.** *gyroleuca* New Ireland p. 49, PROUT Nov. Zool. **32.**

Cryopega **gen. n.** *legrasi* **sp. n.** France p. 29 figs., DUMONT Encyc. ent. Ser. B. III Lep. **1.**

Cyllopoda puta p. 137, *coroiconis* p. 138, *pachiteae* p. 139, **spp. n.** Peru, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Deilinia pusaria **ab. n.** *nivea* Estonia p. 145 (sep. p.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**

Dichorda porphyropis **sp. n.** Argentina p. 33, PROUT Nov. Zool. **32.**

Drepanogynis arthroöpsegma **sp. n.** Cape Province p. 590 fig., PROUT Ann. S. Afr. Mus. **19.**

Drymoea hesperoides **subspp. n.** *parambensis*, *resurgens* S. America p. 48, PROUT Nov. Zool. **32.**

Ectropis paracopa **sp. n.** Cape Province p. 592 fig., PROUT Ann. S. Afr. Mus. **19.**—*E. cuneisparsa* Java p. 59, *everetti* Dutch E. Indies, *indiligens* New Guinea p. 60 **spp. n.**; *lithina* **subsp. n.** *kinabalensis* Borneo p. 60, PROUT Nov. Zool. **32.**—*E. annumerata* **sp. n.** Madagascar p. 313 fig., PROUT Trans. Ent. Soc. Lond. **1925.**—See *Boarmia.*

Eilicrinia subcordaria **abb. n.** *maculata*, *mediofasciata*, *designata* p. 46 Siberia fig., WAGNER Zs. österr. Ent.-Ver. **3** 1918.

Elphos nimia India, *cavimargo* Borneo, **spp. n.** p. 54, PROUT Nov. Zool. **32.**

Ematurga atomaria variations, p. 58, CANDÈZE Bull. & Ann. Soc. ent. Belg. **65**; **f. n.** *minuta* N. Germany p. 269 figs., HEYDEMANN Intern. ent. Zs. **18.**

Epifidonia absona **subsp. n.** *pyrsa* Assam p. 53, PROUT Nov. Zool. **32.**

Epirrita dilutata early stages pp. 95–96, DAY Proc. Ent. Soc. Br. Columbia **5** 1915.

Eucosmia certata **ab. n.** *flavonigrofasciata* Germany p. 46, SCHEPP Ent. Zs. **38.**

Eucrostes euryxantha **sp. n.** Bismarck Arch. p. 35, PROUT Nov. Zool. **32.**

Eumelea unipunctata **subsp. n.** *latiparies* Buru p. 168, PROUT Entomologist, London **58.**—*E. fumicosta* **subsp. n.** *antipnoa* Bismarck Arch.; *ludovicata* **subsp. n.** *rhodeogyna* New Ireland p. 31, PROUT Nov. Zool. **32.**

Eupagia robertsoni p. 591, *canilinea* p. 592, **spp. n.** S. Africa figs., PROUT Ann. S. Afr. Mus. **19.**

Euphyia bilineata **subsp. n.** *numidica* Cyrenaica p. 206, ROTHSCHILD Ann. Mag. N. H. (9) **16.**

Eupithecia bonita San Diego p. 33, *balboata* no locality p. 34, *mackieata* Alberta p. 45, **spp. n.**, CASSINO & SWETT Lepidopterist **4**.—*E. miamata* Arizona p. 47, *gilata* p. 50 **spp. n.**; *sierrae* **r. n.** *joymaketa* p. 52 no locality; *joymaketa* p. 54, *mystiata* p. 55 **spp. n.** Arizona figs., CASSINO t.c.—*E. venosata* **ab. n.** *circumfusca* Corsica p. 28 fig., KITT Zs. österr. Ent.-Ver. **10**.—*E. latimarginata* p. 171, *ichinosawana*, *kawakamiana* p. 172, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*E. lightfooti* **sp. n.**; *licita* **f. n.** *vepallida* Cape p. 589 fig., PROUT Ann. S. Afr. Mus. **19**.

Fascellina meligerys Selangor p. 52, *cydra* Celebes p. 53, **spp. n.**, PROUT Nov. Zool. **32**.

Fidonia famula **ab. n.** *tenebrosa* France p. 28 fig., KITT Zs. österr. Ent.-Ver. **10**.

Flavinia malanciata **sp. n.** Peru p. 136, *quicha* **var. n.** *alegrensis* Brazil p. 137, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Gnophos kawakamiana, *ichinosawana* **spp. n.** Saghalien p. 180 figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*G. glaucinaria* **ab. n.** *jurassica* Bavaria p. 31, OSTHELDER Mitt. münchn. ent. Ges. **11** 1921.—*G. sheljuzhkoi* **sp. n.** Russia p. 87 fig., SCHAWERDA Zs. österr. Ent.-Ver. **9** 1924.—*G. nimbata* **ab. n.** *roseotincta* Aksu Tamdik p. 47, SCHAWERDA op. cit. **10**.

Gonodontis bidentata **subsp. n.** *hafneri* Carniola p. 45 fig., WAGNER Zs. österr. Ent.-Ver. **3** 1918.

Hemerophila subterminalis **sp. n.** India p. 56, PROUT Nov. Zool. **32**.

Hemistola ichinosawana **sp. n.** Saghalien p. 156 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*H.* ? *ereuthopeza* **sp. n.** Orange Free State p. 580 fig., PROUT Ann. S. Afr. Mus. **19**.

Hemithea inornata **sp. n.** Saghalien p. 155 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Heterolocha sachalinensis **sp. n.** Saghalien p. 177 fig., MATSUMURA t.c.

Himera pennaria **ab. n.** *olivacea* Styria p. 13, HOFFMANN Mitt. natw. Ver. Steierm. **55** 1919.—See *Colotois*.

Hybernia aurantiaria **ab. n.** *tristriyaria* Bohemia p. 49, HEIN Zs. österr. Ent.-Ver. **6** 1921.—*H. rupicapraria* biology, p. 57, KNOCH Intern. ent. Zs. **19**.

Hydrelia sachalinensis **sp. n.** Saghalien p. 170 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Hydriomena notes on Vancouver Is. pp. 114–115, BLACKMORE Proc. Ent. Soc. Br. Columbia **6** 1915.—*H.*, revision of Br. Columbia spp. pp. 19–26 figs., BLACKMORE op. cit. **12** 1919.—*H. haemophaea* **sp. n.** Chatham Is. p. 270, MEYRICK Rec. Canterbury Mus. **2**.

Hyostomodes extrusilinea **sp. n.** S. Rhodesia p. 595 fig., PROUT Ann. S. Afr. Mus. **19**.

Hypephyra cyanargentea p. 51, *xanthospilaria* p. 52, **spp. n.** S. China figs., WEHRLI Mitt. münchn. ent. Ges. **15**.

Hypochrosis festivaria **subsp. n.** *temperata* Philippines p. 311, PROUT Ent. Mitt. **14**.—*H. recensata* p. 50, *permeata* **spp. n.** New Guinea; *viridifascia* **subsp. n.** *latentifascia* p. 51 Sudest I., PROUT Nov. Zool. **32**.—*H. azalea*, *hypostigmica* p. 312, *teleutaea* p. 313. **spp. n.** Madagascar figs., PROUT Trans. Ent. Soc. Lond. **1925**.

Hypocoela spodozona, *drepana* **spp. n.** Madagascar p. 303 figs., PROUT t.c.

Hypoxystis (*Hypoplectis*) *kozhantshikovi* **sp. n.** Amur p. 181 fig., DJAKONOV Rev. russe Ent. **18** 1924.—*H. mandli* **sp. n.** Siberia p. 89, SCHAWERDA Zs. österr. Ent.-Ver. **9** 1924.

Ingena chrotodon **sp. n.** Selangor p. 69, PROUT Nov. Zool. **32**.

Josia see under Dioptidae.

Kara **gen. n.** *sachalinensis* **sp. n.** Saghalien p. 160, MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Karacidaria **subgen. n.** see *Cidaria*.

Kuldscha bioerraria **sp. n.** Turkestan p. 233, PÜNGELER Iris **39**.

Larentia fulvata **ab. n.** *deguttata* Alps; *cognata* **var. n.** *lisciata* p. 15; *albulata*; **ab. n.** *pronunciata* Bavaria; *caesiata* **varr. n.** *cibiniaca* Carpathians, *abruzzensis* Abruzzi p. 16, DANNEHL Ent. Zs. **39**.—*L. variata* **abb. n.** *albonigrata* p. 64, *costimaculata* p. 65 Austria, HÖFER Zs. österr. Ent.-Ver. **6** 1921; **abb. n.** *grisescens*, *herrichi* p. 39, *reducta* p. 40, HÖFER op. cit. **7** 1922.—*L. variata* **ab. n.** *interrupta* p. 122; *procellata* **ab. n.** *fasciata* p. 179; *luteata* **ab. n.** *confluens* p. 194 Styria, HOFFMANN Mitt. natw. Ver. Steierm. **53** 1917.—*L. berberata* new to Denmark pp. 142–143, JENSEN

Flora og Fauna 1924.—*L. bilineata* **abb. n.** *insignata, brunneata, coffeata, anaemica, phaeotaeniata, bubaceki, stygeata* Corsica p. 16, KAUTZ Mitt. münchn. ent. Ges. **12** 1922.—*L. subhastata* **ab. n.** *radiata* Germany p. 59 figs., LANGE Iris **39.**—*L. berberata* **ab. n.** *interrupta* p. 26, *silaceata* **ab. n.** *diluta* p. 27 Regensburg, METSCHL Intern. ent. Zs. **19.**—*L. aptata* **ab. n.** *juracolaria* Bavaria p. 29, OSTHELDER Mitt. münchn. ent. Ges. **11** 1921.—*L. quadrifasciaria* **ab. n.** *dissolutaria* p. 127; *autumnata* **ab. n.** *obscura* p. 129; *lugubrata* **var. n.** *borealis* p. 131 (sep. pp.) Estonia, PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**—*L. truncata* **ab. n.** *depuncta*; *sociata* **ab. n.** *albinata* Poland p. 198, ROMANISZYN Polsk. Pismo ent. **4.**—*L. testaceata* **f. n.** *deochrata* Tyrol p. 51, STAUDER Ent. Anz. **5.**—*L. polata* **ab. n.** *contrastata* Greenland (probably = Lapland); *senectaria* **ab. n.** *metoporina* Croatia p. 68 **4** 1919; *procellata* **ab. n.** *extrema* p. 2 Mallorca **6** 1921; *erichi* **sp. n.** Corsica p. 9; *bilinearia* **var. n.** *balearica* Mallorca p. 19 **7** 1922, SCHAWERDA Zs. österr. Ent.-Ver. —*L. adumbraria* **subsp. n.** *cretacea* Salzburg p. 43, WAGNER Mitt. münchn. ent. Ges. **12** 1922. — *L. defricata* see *Solitanea.*

Lasiophanes scotobathra p. 40, *aoroptila* p. 41, **spp. n.** Peru, PROUT Nov. Zool. **32.**

Leptocolpia oxygonia **sp. n.** Madagascar p. 302 fig., PROUT Trans. Ent. Soc. Lond. **1925.**

Lignyoptera fumidaria **abb. n.** *rubraria, unicoloraria* Austria p. 25, KAMMEL Zs. österr. Ent.-Ver. **1** 1917.

Lithostege sesquifascia **subsp. n.** *canescens* S.W. Africa p. 590 fig., PROUT Ann. S. Afr. Mus. **19.**

Lobophora sertata variation pp. 65–68, plate, DANIEL & PFEIFFER Mitt. münchn. ent. Ges. **9** 1920.

Lomographa petroffi **sp. n.** Egypt p. 60, ANDRES & SEITZ Senckenbergiana **7.**—*L. hönei* **sp. n.** S. China p. 50 fig., WEHRLI Mitt. münchn. ent. Ges. **15.**

Luxiaria (*Eutoea*) *heteroneurata* Guen. (= *tephrosiata* Guen., *personaria* Wlk., *contigaria* Wlk., *inexactata* Wlk., *straminea* Warr., *ditrota* Meyr.) p. 62, *emphatica* p. 63, *mitorrhaphes* p. 64 Assam, *versiformis* Malay Penin. p. 63, **spp. n.**, PROUT Nov. Zool. **32.**—*L. pratti* **sp. n.** Madagascar p. 313 fig., PROUT Trans. Ent. Soc. Lond. **1925.**

Lygris testata **subsp. n.** *karafutonis* Saghalien p. 162 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*L. prunata* **var. n.** *estonica* Estonia p. 32, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Macaria incolorata Dyar (= *purcellata* Taylor) p. 11, McDUNNOUGH Can. Ent. **57.**

Medasina oblivia **sp. n.** Assam p. 55, PROUT Nov. Zool. **32.**—*M. dichroplagia* p. 54, *leukohyperythra* p. 55, **spp. n.** China figs., WEHRLI Mitt. münchn. ent. Ges. **15.**

Meskea dyspteraria habits pp. 70–74 figs., SCHWARTZ Psyche **32.**

Mesotype virgata **ab. n.** *impunctata* Estonia p. 118 (sep. pp.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**

Metanema ustinota **sp. n.** Mexico p. 311, PROUT Ent. Mitt. **14.**

Mictoschema swierstrai **subsp. n.** *tuckeri* S. W. Africa p. 580 fig., PROUT Ann. S. Afr. Mus. **19.**

Milionia polytropa p. 48, *plesiobapta* p. 49, **spp. n.** New Ireland, PROUT Nov. Zool. **32.**

Nadagara orbipuncta p. 64 India, *dohertyi* Moluccas, *extensipennis* New Guinea p. 65, **spp. n.**, PROUT t.c.

Nepytia phantasmaria early stages pp. 30–32, DAY Proc. Ent. Soc. Br. Columbia **18** 1921.

Neromia strigulosa **sp. n.** S.W. Africa p. 579 fig., PROUT Ann. S. Afr. Mus. **19.**

Nesalcis haematostica **sp. n.** Mexcio p. 7, DYAR Ins. Insc. Mens. **13.**

Nothomiza rectangula China, *flaviordinata* Hainan, **spp. n.** p. 68, PROUT Nov. Zool. **32.**

Nychiodes dalmatina **subsp. n.** *andreasaria* S.E. Europe p. 17, WARNECKE Intern. ent. Zs. **19.**

Obeidia lucifera **subsp. n.** *semifumosa* Assam p. 45, PROUT Nov. Zool. **32.**

Obolcola pulverea **ab. n.** *scotozona* S. Africa p. 596 fig., PROUT Ann. S. Afr. Mus. **19.**

Ophthalmodes rufilauta **sp. n.** Sarawak p. 61, PROUT Nov. Zool. **32.**

Oporinia autumnata, dilutata eggs pp. 143–145 fig., PEYRON Ent. Tidskr. **46.**

Ortholitha kininaiana **sp. n.** Saghalien p. 161 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*O. mucronata* genitalia p. 277 figs., HEYDEMANN Intern. ent. Zs. **18.**—*O. bipunctaria* **ab. n.** *jurassica* Bavaria p.27, OSTHELDER Mitt. münchn. ent. Ges. **11** 1921.—*O. alumna* p. 585, *crenulimargo* p. 586, **spp. n.** Cape figs.. PROUT Ann. S. Afr. Mus. **19.**—*O. bipunctaria* **ab. n.** *erichi* Croatia; *vicinaria* **var. n.** *illyriacaria* Illyria p. 32 **4** 1919; *coarctata* **ab. n.** *seminigra* Austria 2 **6** 1921 fig., SCHAWERDA Zs. österr. Ent.-Ver.

Ozola macariata **subsp. n.** *despica* Bismarck Arch. p. 32, PROUT Nov. Zool. **32.**

Perizoma (?) *artifex* **sp. n.** Cape p. 588 (with **subsp. n.** *basutensis* Basutoland p. 589), fig., PROUT Ann. S. Afr. Mus. **19.**

Pero spp. in Br. Columbia pp. 7–9, BLACKMORE Proc. Ent. Soc. Br. Columbia **8** 1918.—*P. patriciata* **sp. n.** Colorado p. 41, CASSINO & SWETT Lepidopterist **4.**

Phelodes pseudesthema **sp. n.** Peru p. 132, STRAND Arch. Natg. **86** A 7 (1920) 1921.

Phibalapteryx tersata **var. n.** *laurinata* Tyrol p. 32, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Phigalia pedaria asymmetrical aberration p. 198 figs., LE CHARLES Bull. Soc. ent. Fr. **1925**; **abb. n.** *obscurata* no locality, *ochrea* St. Peter am Hart p. 68, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.

Phthonoloba auxostira India, *titanis* Borneo, **spp. n.** p. 43, PROUT Nov. Zool. **32.**

Prasinocyma eichhorni **sp. n.**, *absimilis* **subsp. n.** *semimacula* New Ireland p. 35, PROUT t.c.

Problepsis appollinaria **subsp. n.** *deparcata* Bismarck Arch. p. 37, PROUT t.c.

Psilocerea kenricki p. 317, *scardamyctes* p. 318, **spp. n.** Madagascar figs., PROUT Trans. Ent. Soc. Lond. **1925.**

Psodos trepidaria **f. n.** *pyrenaica* Pyrenees p. 68, SCHAWERDA Zs. österr. Ent.-Ver. **4** 1919.—*P. quadrifaria* **subsp. n.** *sudetica* Moravia p. 70, VON STERNECK Zs. österr. Ent.-Ver. **3** 1918.

Ptochophyle orthogramma, peristoecha p. 307, *anthocroca* p. 308, *zaphleges, volutisignata, gnamptoloma* p. 309, *polyniphes, kenricki* p. 310, **spp. n.** Madagascar figs., PROUT Trans. Ent. Soc. Lond. **1925.**

Ptychopoda shimizuensis, karafutonis **spp. n.** Saghalien p. 159 figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*P. plesioscotia* **sp. n.**, *fumilinea* **f. n.** *confracta* Cape Colony p. 584 figs., PROUT Ann. S. Afr. Mus. **19.**—*P.* (*Acidalia*) *laevigata* **var. n.** *roseata* Rumania p. 11, WAGNER Zs. österr. Ent.-Ver. **4** 1919.—*P. asellaria* **f. n.** *ciliipunctata* Switzerland p. 58 fig., WEHRLI Mitt. münchn. ent. Ges. **15.**

Pyrinia chrysops **sp. n.** Trinidad p. 423 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Rhinoprora oribates **sp. n.** Java p. 42, PROUT Nov. Zool. **32.**

Sabulodes rubritincta (with **f. n.** *nigripuncta* p. 38) **sp. n.** Arizona p. 37, CASSINO & SWETT Lepidopterist **4.**

Sauris erigens Woodlark Is., *aspricosta* **spp. n.**, *lucens* **subsp. n.** *fortunata* New Ireland p. 44, PROUT Nov. Zool. **32.**

Scardamia seminigra **sp. n.** India p. 66, PROUT Nov. Zool. **32.**

Scopula monotropa p. 581, *palleuca* p. 582, *palpifera* S.W. Africa, *carmosa* Transvaal p. 583, *euchroa* Cape Province p. 597, **spp. n.**, figs., PROUT Ann. S. Afr. Mus. **19.**

Scoria lineata **ab. n.** *obsoleta* Glatz p. 104, STEPHAN Iris **39.**

Semiothisa brongusaria **subsp. n.** *exosciodes* S.W. Africa p. 596, PROUT Ann. S. Afr. Mus. **19.**

Sicyodes pulverea see *Obolcola.*

Solitanea **gen. n.** for *Larentia defricata* Püngeler p. 184 fig., DJAKONOV Rev. russe Ent. **18** 1924.

Somatina maeandrata **sp. n.** Malay Penin. p. 38, PROUT Nov. Zool. **32** — *S. obscuricollis* **sp. n.** S. China p. 49 fig., WEHRLI Mitt. münchn. ent. Ges. **15.**

Stamnodes coenonymphata **f. n.** *wrighti* California p. 38, CASSINO & SWETT Lepidopterist **4.**

Stenoporpia umbraria **sp. n.** Canada p. 11 fig., McDunnough Can. Ent. **57.**

Sterrha indeprensa **sp. n.** Darjiling p. 38, Prout Nov. Zool. **32.**

Synegia hormosticta Hainan p. 67, *medionubis* Assam p. 68 **spp. n.**; *imitaria* **subsp. n.** *malayana* Penang p. 67, Prout t.c.

Tephrina exerraria p. 593, (?) *diarmodia* p. 594 Cape Province, **spp. n.** figs., Prout Ann. S. Afr. Mus. **19.**

Tephroclystia satyrata **ab. n.** *contrasta*; *drypisaria* **ab. n.** *amarensis*; *plumbeolata* **ab. n.** *flaveolata* Central Europe p. 16, Dannehl Ent. Zs. **39.**—*T. silenata* **ab. n.** *kolari* Bohemia p. 36, Marschner Zs. österr. Ent.-Ver. **7** 1922.

Terina reliqua **sp. n.** W. Africa p. 310, Prout Ent. Mitt. **14.**

Thalassodes deloloma **sp. n.** Sumatra p. 309, Prout Ent. Mitt. **14.**—*T. javensis* Java, *leucoceraea* Malay Penin., **spp. n.** p. 34, Prout Nov. Zool. **32.**

Thamnonoma brunneata **ab. n.** *uniformis* Styria p. 79, Hoffmann Mitt. natw. Ver. Steierm. **55** 1919.

Timandra amata **var. n.** *griseata* Estonia p. 116 (sep. pp.), Petersen Beitr. Kunde Est-, Liv- u. Kurlands **1902.**

Tornos benjamini **sp. n.** Arizona p. 43, Cassino & Swett Lepidopterist **4.**

Tridoptera benguetana **sp. n.** Philippines p. 573 fig., Schultze Phil. J. Sci. **28.**

Uliocnemis elegans **subsp. n.** *negligens* Bismarck Arch. p. 32, Prout Nov. Zool. **32.**

Xanthodura (?) *hypocrypta* **sp. n.** Madagascar p. 306 fig., Prout Trans. Ent. Soc. Lond. **1925.**

Xanthorhoë ferrugata **r. n.** *alaskae* Alaska p. 39 figs., Cassino & Swett Lepidopterist **4.**—*X. glaciata* **sp. n.** New Zealand p. 220, Hudson Ent. Mo. Mag. **61.**—*X. chlorocapna* **sp. n.** Chatham Is. p. 271, Meyrick Rec. Canterbury Mus. **2.**—*X. hampsoni* India p. 39, *placida* Bhutan p. 40, **spp. n.**, Prout Nov. Zool. **32.**

Xylopteryx doto **sp. n.** Madagascar p. 61, Prout Nov. Zool. **32.**

Zamarada ascaphes **sp. n.** S.W. Africa p. 311, Prout Ent. Mitt. **14.**

Dioptidae.

Actea transita **sp. n.** Para p. 524, Hering in Seitz Fauna Americ. **6.**

Brachyglene caenea **f. n.** *dilata'a* p. 523; *bracteola* **subsp. n.** *elongata* Valencia; *thirmida* **sp. n.** Bolivia p. 524, Hering t.c.

Ceraeotricha **gen. n.** for *cuneifera* Dgn. p. 519, Hering t.c.

Dioptis candelaria **subsp. n.** *nivea*; *columbiana* Colombia p. 521, *dentistriga* Jurimaguas, *tessmanni* (with **subsp. n.** *opaca*), *angustifascia*, *incerta* Peru, *indentata* ? Amazon p. 522, *peregrina* Peru **spp. n.**; *ilerdina* **subsp. n.** *nigrivenis* Ecuador p. 523, Hering t.c.

Eudioptis see *Paradioptis*.

Josia punonis Peru p. 133, *schnusei* Bolivia p. 134, **spp. n.**, Strand Arch. Natg. **86** A 7 (1920) 1921.—*J. ignorata* Colombia ?, *jordani* locality unknown, *tessmanni* Peru p. 525, *rosea* Brazil, *latistriga* Bolivia **spp. n.**, *megaera* **subsp. n.** *putata* Amazon p. 526, *infausta* Colombia, *tamara* Honduras, *similis* Para p. 528, *flexuosa* Mexico (with **subsp. n.** *diminuata* Honduras), *gephyra* Colombia p. 528 **spp. n.**, Hering in Seitz Fauna Americ. **6.**—*J. gigantea* see *Josiomorphoides* (Arctiidae).

Myonia macropoecila, *quadriguttata* p. 502, *regis* p. 503, *stenoxantha*, *mimica* p. 504, *decolorata*, *depravata* (with **subspp. n.** *amplificata*, *flavifascia*), *ursula*, *desmotrichoides* p. 505, *subalba*, *evippoides* p. 506 S. America, *prouti* Bahia p. 503, *saga* Venezuela p. 505 **spp. n.**; *assimilis* **n. n.** for *pyraloides* Wlk. 1856 nec 1854 p. 506, Hering in Seitz Fauna Americ. **6.**

Paradioptis **n. n.** for *Eudioptis* Prt. nec Hb. 1816 p. 521, Hering t.c.

Polypoetes satanas, *draudti* Mexico p. 514, *prodromus* p. 515, *sirenia*, *exclamationis* Bolivia p. 516, *intersita* p. 515, *exclusa* Colombia, *clarata*, *nigribasalis* Venezuela, *fenestrata*, *evanescens*, *integra* p. 516, *mara* Peru, *dynastes* Brazil p. 517 **spp. n.**; *picaria* **subsp. n.** *cryptophleps* Peru p. 516, Hering t.c.

Scotura signata Rio Negro, *soror* Upper Amazon **spp. n.**; *nervosa* **subspp. n.** *retracta* Colombia, *distincta* Upper Amazon, *peruviana* Peru p. 510, HERING t.c.

Scoturopsis **gen. n.**, *basilinea* (type), *seitzi*, *extensa*, *uniformis* Bolivia, *elongata* Peru, **spp. n.** p. 508, HERING t.c.

Stenoplastis opaca p. 517, *rubribasis*, *unifascia* Bolivia, *flavibasis* Peru p. 518 **spp. n.**, *euchontoides* **subsp. n.** *lactigera* Peru p. 519, HERING t.c.

Tithraustes erymas **subsp. n.** *undulata* Brazil, *thanatos* Peru p. 513, *nigrifascia* locality unknown, *submaxima*, *mexicana* Mexico p. 514 **spp. n.**, HERING t.c.

Xenomigia villiopsis **sp. n.** Colombia p. 509, HERING t.c.

Xenorma grandimacula Rio Songo, *exturbata* Guatemala, *reducta* Bahia **spp. n.** p. 507, HERING t.c.

SATURNIIDAE.

Contributions à la connaissance des métamorphoses chez les Saturnines Hémileucides, BOUVIER Encyc. ent. Ser. III. Lep. **1** pp. 3–10 figs.

Morphology and biology of Saturniidae from Paraguay, SCHADE Ent. Rdsch. **42** pp. 32–35.

Actias rhodopneuma **sp. n.** Assam p. 45, RÖBER Ent. Rdsch. **42.**

Aglia tau **ab. n.** *hemitaenia* Austria p. 90, SCHAWERDA Zs. österr. Ent.-Ver. **9** 1924.

Antheraea saccopoea **sp. n.** Queensland p. 400, TURNER Proc. Linn. Soc. N.S.W. **49** 1924.—*A. pernyi*, *yamamai* specific differences and distribution pp. 4–8 figs., WARNECKE Mitt. münchn. ent. Ges. **10** 1920.—*A. episcopalis* see *Salassa mesosa.*

Argema mimosae **var. n.** *occidentalis* S.W. Africa p. 47, GSCHWANDNER Zs. österr. Ent.-Ver. **8** 1923.

Arsenura certain spp. referred to *Paradaemonia* **gen. n.** pp. 70–72, key to genera allied to p. 71 figs., BOUVIER Ann. Soc. ent. Fr. **94.**

Attacus banghaasi Philippines p. 55, *ruegeri* Tenimber I. p. 56 **spp. n.**; *atlas* **abb. n.** *interruptus-conjunctus* Java p. 58, *trifenestratus* India, Borneo, *bifenestratus* India p. 59, GSCHWANDNER Zs. österr. Ent.-Ver. **5** 1920.—*A. atlas*, notes on breeding p. 271, STAUDER Intern. ent. Zs. **19.**

Bathyphlebia gschwandneri **sp. n.** Colombia p. 57 fig., SCHAWERDA Iris **39.**

Copaxa arpi **sp. n.** S. Brazil p. 8, GSCHWANDNER Intern. ent. Zs. **19.**

Cyrtogone ducorpsi **sp. n.** Fr. Guinea p. 29 fig., de FLEURY Bull. Soc. ent. Fr. **1925.**

Dirphia tarquinia notes on pp. 381–385, *brasiliensis* Brazil p. 385, *lombardi* Uruguay p. 387 **spp. n.** fig., BOUVIER Ann. Soc. ent. Fr. **93** 1924.—*D. semirosea* **f. n.** *gemeli* Ecuador p. 308, BOUVIER Bull. Mus. Hist. nat. Paris **1925.**—*D. lulesa* **sp. n.** Argentine p. 25, SCHAUS Ent. News **36.**—*D. monticola* **sp. n.** Brazil p. 50, ZERNY Anz. Akad. Wiss. Wien **60** (1923) 1924.

Drepanoptera vacuna **var. n.** *manowensis* E. Africa p. 46, GSCHWANDNER Zs. österr. Ent.-Ver. **8** 1923.—*D. niepelti* **sp. n.** Kamerun p. 7, GSCHWANDNER Intern. ent. Zs. **19.**

Dysdaemonia certain spp. referred to *Paradaemonia* **gen. n.** pp. 67–72, key to allied genera p. 71 figs., BOUVIER Ann. Soc. ent. Fr. **94.**

Eudia pavonia **abb. n.** *atromaculata*, *caeca* Lusatia, *melanopis* Austria p. 60, STÄTTERMAYER Zs. österr. Ent.-Ver. **5** 1920.

Heliconisa sexual differences pp. 37–43, BOUVIER & BRÈTHES Rev. Univ. Buenos Aires 2 ser. Sec. V. **1** 1924.—*H. bedoci* **sp. n.** Brazil p. 35 figs., BOUVIER Encyc. ent. Ser. B. III. Lep. **1.**

Neoris haraldi **sp. n.** Thian Shan p. 40, SCHAWERDA Mitt. münchn. ent. Ges., Munich **13** 1923.

Ormiscodes schreiteri **sp. n.** Argentine p. 25, SCHAUS Ent. News **36.**—*O. menander* **subsp. n.** *reducta* Colombia p. 198 figs., HERING & HOPP Iris **39.**

Paradaemonia **gen. n.** for certain spp. of *Dysdaemonia* and *Arsenura*, key to allied genera p. 70, *d'espinayi* **var. n.** *guianensis* Guiana p. 72 figs., BOUVIER Ann. Soc. ent. Fr. **94.**

Philosamia cynthia, revision of allied spp. pp. 154–176 fig., REBEL Ann. nat.-hist. Mus. Wien **39**; var. *advena* bionomics p. 120, FARMILOE Bull.

Brooklyn Ent. Soc. **20**; teratological specimen p. 64 fig., KAISER Mitt. münchn. ent. Ges., Munich **9** 1920.

Salassa mesosa Jord. 1910 (= *Antheraea episcopalis* Kaiser 1917) p. 30, KAISER Mitt. münchn. ent. Ges. **10** 1920.

Saturnia, new hybrids p. 12, EHINGER Zs. öst. Ent.-Ver. **6** 1921.—*S. pyri* **abb. n.** *abeli, brunnea, grisea, melanopis, reducta, conjuncta, defascia*, p. 79; *spini* **ab. n.** *lurida* Austria; *pavonia* **abb. n.** *conjuncta* S. France, ♀ *lurida*, ♀ *citrina*, ♀ *brunnea*, Austria p. 80, GSCHWANDNER Zs. österr. Ent.-Ver. **8** 1923.—*S. pyri* larva pp. 366–373, PATIJAUD Rev. Hist. nat. appl. **6**.—*S. caecigena*, notes on breeding pp. 192–194, WAGNER Ent. Jahrb. Leipzig **3** 1894.—*S. pavonia* var. *meridionalis*, biology p. 96, WASCHKE Ent. Zs. **38** 1924.

CERATOCAMPIDAE.

Adelocephala phaedima, kuschei, colloida p. 1, *surrotunda* p. 2, **spp. n.** Mexico, DYAR Ins. Insc. Mens. **13**.

BOMBYCIDAE.

Key to Australian Bombycidae, TURNER Proc. Linn. Soc. N.S.W. **49** 1924 p. 400.

Bombyx mori, parthenogenesis 7 pp. & 9 pp., JUCCI Ann. Scuola sup. agric. Portici (2) **20**, and Atti Accad. Lincei **33** 1924; sex variation in eggs 23 pp., JUCCI Ann. Scuola sup. agric. Portici (2) **20**; weight of eggs pp. 1–12, 49–106 (fig.), parthenogenesis and artificial fertilization pp. 238–246, LOMBARDI Boll. R. Staz. sperim. Gelsic. Bachic. **4**; ovary, MACHIDA Sangyosikenzyo Kokoku **6** 1922 (Abstr. in Jap. J. Zool. **1** 1924 pp. (37)–(39)); emergence from cocoon pp. 137–141, PRELL Natw. Korresp. **2** n.d.; response of cocoon to colour pp. 71–77 figs., YAGI Dobuts. Z. **35** 1923; var. *brunnea* colouration p. 76, RIEL Bull. bi-mens. Soc. linn. Lyon **2** 1923.

Elachyophthalma quadrimaculata, flava **spp. n.** Dutch New Guinea p. 47 figs., EECKE Nova Guinea **15** 1924.

Eurhodia gyra **subsp. n.** *acuminalba* Dutch New Guinea p. 47 fig., EECKE t.c.

Gunda javanica **subsp. n.** *palawana* Philippines p. 569, SCHULTZE Phil. J. Sci. **28**.

SEMATURIDAE.

Homidiana ledereri **sp. n.** Ecuador p. 121 fig., PFEIFFER Ent. Zs. **39**.

Sematura empedocles notes on chaetosoma p. 7 fig., ELTRINGHAM Trans. Ent. Soc. Lond. **1925**.

URANIIDAE.

Alcidis orontes **abb. n.** *ornata, tristis*; *aruus* **ab. n.** *pallida*; *coerulea* **f. n.** *passavanti* Bismarck Archipelago, **subsp. n.** *gracilis* New Mecklenburg p. 134; *cydnus* **ab. n.** *moerens* New Guinea p. 135, PFEIFFER Ent. Zs. **39**.

Chrysiridia croesus **var. n.** *nigrescens* E. Africa p. 135, PFEIFFER t.c.

Nyctalemon ulysses **sp. n.** Key Is. p. 130; *patroclus* **var. n.** *kotzenbergi* Tenimber Is. p. 128; *menoetius* **var. n.** *albiapicalis* Manila p. 130, PFEIFFER t.c.

Urania fulgens migratory flight Panama pp. v–vi, HICKS Trans. Ent. Soc. London **1925**.—*U. leilus* **var. n.** *cuprea* Colombia p. 127, PFEIFFER Ent. Zs. **39**.

PSYCHIDAE.

Notes on Psychidae, BURROWS Ent. Rec. **37** pp. 17–19.

Eurukuttarus edwardsii Heyl. (= *Psyche carbonaria*, Heyl.) early stages pp. 34–36, *polingi* wing-scales p. 37 fig., JONES Ent. News **36**.

Hyaloscotes fumosa notes pp. 161–164 figs., JONES Ent. News **36**.

Oiketicus poeyi bionomics p. 108 figs., BARRETO Mem. Soc. Cuba. Hist. nat. **6** 1924.

Psyche carbonaria see *Eurukuttarus edwardsii*.

Thyridopteryx herrichii biology Australia p. 36, ILLIDGE Queensl. Nat. **5**.

COSSIDAE.

Acossus generosa **sp. n.** Montana p. 18, DYAR Ins. Insc. Mens. **13**.

Cossus cossus **ab. n.** *albescens* Spain p. 29, KITT Zs. österr. Ent.-Ver. **10**.—*C. terebra* biology pp. 14–16, 20, RANGNOW Intern. ent. Zs. **19** 1925.—*C. centrimaculatus* **sp. n.** Peking p. 174, RÖBER Stett. ent. Ztg. **86**.—*C. cheesmani* **sp. n.** Arabia p. 147 fig., TAMS Ann. Mag. N. H. (9) **15**.

Dyspessa salicicola, biology, p. 53, GROSS Ent. Zs. **38**.

Hypopta centrosoma **sp. n.** Mexico p. 19, DYAR Ins. Insc. Mens. **13.**

Psychonoctua unilinea **sp. n.** Mexico p. 19, DYAR Ins. Insc. Mens. **13.**

Xyleutes plesseni **sp. n.** Philippines p. 571 fig., SCHULTZE Phil. J. Sci. **28.**

RATARDIDAE.

Callosiope **gen. n.** p. 156, *bang-haasi* **sp. n.** no locality p. 157 fig., HERING Mitt. zool. Mus. Berlin **12.**

Ratarda guttifera **n. n.** for *marmorata* Hmps. nec Moore p. 154, *mora* p. 155, *flavimargo* Labuan, *melanoxantha* Borneo p. 156, **spp. n.** fig., HERING t.c.

LASIOCAMPIDAE.

Catalogue of Indian Lasiocampidae, FLETCHER Calcutta 1925 29 pp.

Revision of Australian Lasiocampidae, TURNER Proc. Linn. Soc. N.S.W. **49** 1924 pp. 401–428.

Chondrostega osthelderi **sp. n.** Asia Minor p. 96, PÜNGELER Mitt. münchn. ent. Ges. Munich **15** 1925.

Claphe similavis **sp. n.** Trinidad p. 423 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Dendrolimus alfierii **sp. n.** Egypt p. 56, ANDRES & SEITZ Senckenbergiana **7.**

Digglesia ecnoma, dasymalla p. 422, *tephropsis* p. 423, **spp. n.** Australia, TURNER Proc. Linn. Soc. N.S.W. **49** 1924.

Entometa chlorosacca **sp. n.** Australia p. 420, TURNER t.c.

Epicnaptera americana notes on synonymy, etc., pp 164–168, BARNES & BENJAMIN Pan-Pacific Ent. **1.**—*E. ilicifolia* biology p. 9, distribution p. 16, FRINGS Soc. ent. **40.**

Eremonoma **gen. n.** p. 409, *apasta, zoristis, nephelodes, holopolia* **spp. n.** Australia p. 410, TURNER Proc. Linn. Soc. N.S.W. **49** 1924.

Gastropacha populifolia bred pp. 108–110, RAEBAL Intern. ent. Zs. **19.**

Gonometa podocarpi **sp. n.** E. Africa p. 212, AURIVILLIUS Ent. Tidskr. **46.**

Hypotrabala (= *Parameta* Auriv.) list of spp., *dollmani* p. 557, *horridula* (with **subsp. n.** *seydeli*) p. 558, *joiceyi* p. 559, **spp. n.** Africa figs., TAMS Ann. Mag. N. H. (9) **16.**

Lasiocampa callunae, life-history p. 80, BARNES Vasculum **11.**—*L. quercus* biology p. 9, KRAUT Ent. Zs. **39**; mating and oviposition after decapitation pp. 350–352, PATIJAUD Rev. Hist. nat. appl. **6**; geographical races p. 82, PICTET Bull. Soc. lép. **5** 1924; hermaphrodite p. 218, SCHIRBER Proc.-verb. Soc. linn. Bordeaux **76** (1924); **f. n.** *doriai* Tuscany p. 359, TURATI in ROCCI & TURATI Ann. Mus. Gen. **50.**

Macrothylacia rubi notes p. 32, KOENIGER Ent. Zs. **38** 1924; tenacity of life p. 58, MECKE Intern. ent. Zs. **19**; hibernation p. 56, ZUSANEK Ent. Zs. **38** 1924.

Malacosoma spp. early stages p. 91, gregariousness p. 104, reaction to light p. 133 figs., DEEGENER Arch. Natg. **86** A 10 (1920) 1921.

Odonestis pruni **f. n.** *vulpecula* p. 115, **var. n.** *ambitiosa* p. 116 S. Tyrol, DANNEHL Ent. Zs. **39.**

Pachypasa otus, feeding habits, p. 243, WOHNIG Intern. ent. Zs. **19.**

Parameta see *Hypotrabala.*

Porela amathodes **sp. n.** Australia p. 414, TURNER Proc. Linn. Soc. N.S.W. **49** 1924.

Pseudometa list of spp., *andersoni* Kenya p. 552, *dollmani* p. 554, *canescens* p. 555 Rhodesia **spp. n.**, TAMS Ann. Mag. N. H. (9) **16.**

Selenephora lobulina, lunigera biology pp. 34–39, HENSEL Jahresh. Ver. schles. Insekt. **14** 1924.

Symphyta colpodes **sp. n.** W. Australia p. 416, TURNER Proc. Linn. Soc. N.S.W. **49** 1924.

Taragama siva life-history Iraq p. 147 fig. (p. 126), HINGSTON Nature at the desert's edge 1925.

CHRYSOPOLOMIDAE.

Chrysopoloma paupera, pallens **spp. n.** Transvaal p. 323 figs., HERING D. ent. Zs., Berlin **1925.**

MEGALOPYGIDAE.

Lagoa crispata poison apparatus pp. 231–234, GILMER Ent. News **36.**

Megalopyge farmbri **sp. n.** Trinidad p. 423 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

DALCERIDAE.

Note on larvae of Dalceridae, DYAR Ins. Insc. Mens. **13** pp. 44–47.

Acraga canaquitam **sp. n.** Mexico p. 18, DYAR t.c.

Protacraga **gen. n.** p. 553, *micans* **sp. n.** Brazil p. 554 fig., HOPP D. ent. Zs. **1924.**

LIMACODIDAE.

Lithacodes key, *belfragei* **sp. n.** Texas p. 16, DYAR Ins. Insc. Mens. **13.**

Monoleuca fieldi, *disconcolorata* **spp. n.** California p. 126, BARNES & BENJAMIN Pan-Pacific Ent. **1.**—*M. erectifascia* **sp. n.** Florida p. 15, DYAR Ins. Insc. Mens. **13.**

Natada nararia life-history pp. 1–6, BALLARD & RAMACHANDRA RAO Madras Dept. Agric. Year Book **1920-21** 1921.

Parasa hilarata irritating properties of larva pp. 342–363 figs., MILLS Amer. J. Hyg. **5.**

Prolimacodes trigona **var. n.** *filifera* S. Arizona, *apsorrha* **sp. n.** Mexico p. 17, DYAR Ins. Insc. Mens. **13.**

Setora minimalis **sp. n.** Dutch New Guinea p. 48 fig., EECKE Nova Guinea **15** 1924.

Sibine hyperoche larva p. 218, DYAR Ins. Insc. Menstr. **13.**

Thosea unifascia bionomics pp. 373–379 figs., ISAAC Agric. J. India **20.**

CASTNIIDAE.

Castnia miastagma **sp. n.** Mexico p. 19, DYAR Ins. Insc. Mens. **13.**—*C. vicinoides* **sp. n.**, *licoides* **f. n.** *chocoensis* p. 204, *gephyra* **subsp. n.** *leucozona* p. 206 Colombia, HERING & HOPP Iris **39.**—*C. hodei* ♂ described p. 650; *rubrophalaris* **subsp. n.** *gristi*; *uruguayana* **subsp. n.** *ochreifascia*; *halli* **sp. n.** p. 651; *licoides* **subsp. n.** *magdalena* p. 652 S. America, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**—*C. amazona* **sp. n.** Amazon p. 42, KNOP Ent. Zs. **39.** —*C.*, list of spp. Tobago and Trinidad, *icarus* **subsp. n.** *trinitatis* p. 242, LATHY Ann. Mag. N. H. (9) **16.**

ZYGAENIDAE.

Studies on Zygaenids near Marseilles and region of Sainte-Baume, ABEILLE Mem. Soc. linn. Prov. **1** 1909 pp. 1–24.

Biology of Zygaenidae, larval development, pp. 50–64, BURGEFF Mitt. münchn. ent. Ges. **11** 1921.

Catalogue of Indian Zygaenidae, FLETCHER Calcutta 1925 92 pp.

Keys to American Zygaenidae, HERING Iris **39** p. 154.

Zygaenidae in Schleswig-Holstein, Lübeck and the lower Elbe, KNOCH Intern. ent. Zs. **19** pp. 153–155.

Agalope simplex **sp. n.** New Guinea p. 237, JORDAN Nov. Zool. **32.**

Alophogaster key, *melli* **sp. n.** Tshajiusan p. 169, HERING Iris **39.**—*A. overdijkinki* **sp. n.** Java p. 653, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**—*A. ludius* **sp. n.** Tonkin p. 230, JORDAN Nov. Zool. **32.**

Ancistroceron luzonensis **sp. n.** Philippines p. 570 fig., SCHULTZE Phil. J. Sci. **28.**

Aphantocephala vicina Dutch New Guinea p. 230, *collaris* New Hanover p. 231, **spp. n.**, JORDAN Nov. Zool. **32.**

Arachotia hyalina **sp. n.** Luzon p. 175, HERING Iris **39.**

Artona neglecta **sp. n.** N. India p. 175, HERING t.c.

Callizygaena flaviplaga **sp. n.** Luzon p. 173, HERING t.c.

Campylotes desgodinsi **subsp. n.** *yunnanensis* Yunnan p. 653, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.** — *C. wernickei* **sp. n.** Assam p. 170, RÖBER Stett. ent. Ztg. **86.**

Caprima necopina p. 232 New Hanover, *cleora* p. 233, *selenis* (with **subspp. n.** *selenis*, *huonis*) p. 234 **spp. n.** New Guinea; *albifrons* **f. n.** *leucura* New Hanover; *plagiata* **subsp. n.** *casta* New Guinea p. 233, JORDAN Nov. Zool. **32.**—*C. spectabilis* see *Hadrionella*, *thaumasta* see *Cyanidia*.

Clelea melli Canton p. 174, *explorata* New Guinea p. 175 **spp. n.**, HERING Iris **39.**

Cyanidia **gen. n.** for *Caprima thaumasta* Jord. (with **subsp. n.** *valida* New Guinea) p. 234, JORDAN Nov. Zool. **32.**

Cyclosia sordida **subsp. n.** *bungauensis* Philippines p. 561 fig., SCHULTZE Phil. J. Sci. **28.**

Eusphalera pernitens New Guinea p. 235, *multicolor* New Ireland p. 236, **spp. n.**, JORDAN Nov. Zool. **32.**

Hadrionella **gen. n.** for *Caprina spectabilis* Roths. p. 231 (with **subsp. n.** *chara* New Guinea); *ludia* **sp. n.** New Ireland p. 232, JORDAN Nov. Zool. **32.**

Harrisina key p. 162, *innocens*, *flavithorax*, *longicaulis* p. 165, *prava*, *draudti* p. 166, **spp. n.** S. America, HERING Iris **39.**

Harrisinula **gen. n.** *infernalis* **sp. n.** Amazons p. 158, HERING t.c.

Hemiscia meeki **subsp. n.** *vigens* New Hanover p. 231, JORDAN Nov. Zool. **32.**

Heteropan scintillans **subsp. n.** *caesius* Nicobar Is. p. 234; *lycaenoides* **subspp. n.** *lepidus* New Guinea, *apinus* New Ireland p. 235, JORDAN t.c.

Histia rhodope **subsp. n.** *angustimargo* Sumatra p. 137, HERING Iris **39.**—*H. nigridorsalis* **sp. n.** W. Java p. 171, RÖBER Stett. ent. Ztg. **86.**

Homophylotis aenea **sp. n.** Feni Is. east of New Ireland p. 231, JORDAN Nov. Zool. **32.**

Hysteroscene **gen. n.** p. 176, *extravagans* **sp. n.** Formosa p. 177 fig., HERING Iris **39.**

Levuana iridescens life-history Fiji pp. 1–14 figs., KNOWLES Agric. Circ. Dept. Agric. Fiji **5** 1924.

Malthaca key p. 154, *ignorata* **sp. n.** Mexico p. 157, HERING Iris **39.**

Milleria adalifoides **sp. n.** Philippines p. 571 fig., SCHULTZE Phil. J. Sci. **28.**

Phacusa subtilis **sp. n.** Java p. 176, HERING Iris **39.**

Phauda key p. 170, *enigma* Sylhet, *similis* Formosa, **spp. n.** p. 172, HERING t.c.

Pidorus albifascia **subsp. n.** *amplifascia* Yunnan p. 653, JOICEY & TALBOT Ann. Mag. N. H. (9) **16.**

Pompelon marginata **subsp. n.** *baweana* Bawean p. 174, HERING Iris **39.**

Procris jordani **sp. n.** Spain p. 63, NAUFOCK Zs. österr. Ent.-Ver. **6** 1921.

Zygaena oxytropis larva described, pp. 35–36 figs., ARNOLD Mitt. münchn. ent. Ges. **9** 1919.—*Z. transalpina* **var. n.** *bavarica* Bavaria p. 102, distribution in Bavaria pp. 101–104, BURGEFF Mitt. münchn. ent. Ges. **11** 1921.—*Z.* melanism pp. 48–50, DZIURZYNSKI Zs. österr. Ent.-Ver. **10.**—*Z. ephialtes* var. *peucedani* **ab. n.** *acingulata* Germany p. 4, FRANKE Zs. österr. Ent.-Ver **5** 1920; **abb. n.** *nigroictarica* p. 111, *pseudocoronillae* p. 112 Bohemia, HOLIK Zs. österr. Ent.-Ver. **4** 1919.—*Z.* spp. in Frankfort p. 83, HEPP Ent. Zs. **38** 1924.—*Z. meliloti* in Kiel, correction p. 197, MEDER Intern. ent. Zs. **19.**—*Z. lonicerae* **ab. n.** *hades*, *meliloti* **ab. n.** *atrata* Regensburg p. 27, METSCHL Intern. ent. Zs. **19**; in Schleswig-Holstein p. 170, TROEDER Intern. ent. Zs., Guben **19.**—*Z. filipendulae* **var. n.** *subalpina* Bavaria p. 230, REISS Intern. ent. Zs. **19.**—*Z. lonicerae* **var. n.** *nobilis* p. 37; *rhadamanthus* **var. n.** *latecincta* p. 38 Barcelona, NAVÁS Publ. Junta Ciên. nat. **4** no. 10 1924.—*Z. fausta*, notes pp. 156–158, REISS Mitt. Badischen Ent. Ver. **1**: **ab. n.** *bicolor* no locality p. 46 fig., REVERDIN Bull. Soc. lép. **5** 1922.—*Z. stoechadis* **ff. n.** *liguris*, *microstoechadis* Italy p. 97, ROCCI Boll. Soc. ent. ital. **57.**—*Z. excelsa* Roths. (= *alluaudi* Oberth.) p. 678; *ungemachi* Le Cerf, with subsp. *montana* Roths. subspp. of *loyselis*; *loyselis* **subspp. n.** *fracticingulata* p. 679, *olivacea* p. 680 Morocco, ROTHSCHILD Ann. Mag. N. H. (9) **15.**—*Z. alluaudi* Oberth. a subsp. of *excelsa* Roths. p. 269, ROTHSCHILD op. cit. (9) **16.**—*Z. carniolica* **subsp. n.** *crymaea* Crimea p. 86, STAUDER Ent. Anz., Vienna **5** 1925; **ab. n.** *influens* Moravia p. 12, STERZL Zs. österr. Ent.-Ver. **4** 1919.—*Z. meliloti* **ab. n.** *brunnea* Austria p. 60, STERZL op. cit. **6** 1921.—*Z. lonicerae* **r. n.** *intermixta* Spain p. 76, *Z.* evolution and variation in genus, many new races, pp. 101–104, 117–121, 135–137, 154–158 figs., VERITY Ent. Rec. **37.**

DREPANIDAE.

Cilix glaucata **f. n.** *angelina* S. Tyrol p. 119, DANNEHL Ent. Zs. **39.**

Drepana falcataria **ab. n.** *curvatuloides* N. Italy p. 10, WAGNER Zs. österr. Ent.-Ver. **4** 1919.

Metadrepana andersoni Kenya p. 289, *pallida* N. Nigeria p. 291, **spp. n.** fig., TAMS Bull. Ent. Res. **15.**

Silvaspica **gen. n.** *baletensis* **sp. n.** Philippines p. 572 figs., SCHULTZE Phil. J. Sci. **28.**

THYRIDIDAE.

List of Thyrididae from China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7 p. 333 (footnote).

Dysodia igualensis a subsp. of *granulata* p. 273, BARNES & BENJAMIN Ent. News **36**.

Rhodoneura heterogenalis p. 333, *leptiphoralis* p. 334 (footnote), **spp. n.** China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

PYRALIDAE.

The Pyralidae of China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7 pp. 257–383 2 pls.

Key to subfamily Crambinae, FILIPJEV & DJAKONOV Ann. Mus. zool. Acad. Sci. Russ. **25** 1924 p. 144.

Pyralidae of S. Palestine, GRAVES Ent. Rec. **37** pp. 99–101.

Synonymic catalogue of the Epipaschiinae of the New World, HOLLAND & SCHAUS Ann. Carnegie Mus. **16** pp. 49–130 figs.

Acentropus niveus in sea-water, Spain p. 28, LE CERF Encyc. ent. Ser. B. III. Lep. **1**.

Acrobasis caryivorella life-history pp. 202–206, BILSING J. Econ. Ent. **18**.—*A. peplifera* N. Carolina, *septentrionella* Florida & N. Carolina, **spp. n.** p. 13, DYAR Ins. Insc. Mens. **13**.—*A. hebescella* life-history 12 pp. figs., GILL U. S. Dept. Agric. Dept. Bull. **1303**.

Aglossa gigantalis **sp. n.** Arizona p. 127, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27**.

Agrotera lienpingialis **sp. n.** China p. 338 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Ajacania **gen. n.** *steinbachalis* **sp. n.** Bolivia p. 14 fig., SCHAUS Ann. Carnegie Mus. **16**.

Ajocara **gen. n.** *amazona*, *phileasalis* **spp. n.** S. America p. 15 figs., SCHAUS t.c.

Ambia amoyalis **sp. n.** China p. 330 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Aphomia sociella biology pp. 116–118, UITTIEN Levende Natuur **29**.

Aulacodes reductalis, *mimeticalis* **spp. n.** China p. 332 figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Auradisa corumbina **subsp. n.** of *corumba*? Bolivia p. 11, *guianica*, *brendana* Fr. Guiana p. 12 **spp. n.** figs., SCHAUS Ann. Carnegie Mus. **16**.

Bocchoris adipalis **subsp. n.** *nigromarginalis*, *aptalis* **subsp. n.** *kwantungialis* China p. 339 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Bradina melanoperas **subsp. n.** *sinensis* China p. 334, CARADJA t.c.

Bradypophila **gen. n.** (near *Uliosoma*) *garbei* **sp. n.** Brazil p. 124 fig., VON IHERING Rev. Mus. Paulista **9** 1914.

Cactobrosis interstitialis Texas, *phoenicis* California p. 223, *leuconips* Arizona p. 224, **spp. n.**, DYAR Ins. Insc. Mens. **13**.

Calamochrous eumorphalis p. 362, *obscuralis*, *medialis* p. 363, **spp. n.** China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Cataclysta croesusalis **subsp. n.** *angustalis* Canton p. 329, CARADJA t.c.

Chilo phragmitellus biology p. 169, HEINRICH Intern. ent. Zs. **19**; **ff. n.** *nigricellus*, *intermediellus* Germany p. 100, RAEBEL Intern. ent. Zs. **19**.

Chloropaschia zenoa p. 29, *venantia*, *epipodia* p. 30, *aniana* p. 31, *aedesia*, *fiachnalis* p. 32, *hollandalis* p. 33, **spp. n.** S. America figs., SCHAUS Ann. Carnegie Mus. **16**.

Cledeobia intermedialis **sp. n.**; *consecratalis* **subsp. n.** *obsoletalis*; *bombycalis* **var. n.** *sepialis* Rumania p. 144, CARADJA Iris **39**.

Colimaea **gen. n.** (Pyraustinae), *incisalis* **sp. n.** Mexico p. 9, DYAR Ins. Insc. Mens. **13**.

Crambus niveirostralis p. 297, *flavoflabellus*, *mandarinellus* p. 298 **spp. n.** China fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*C. hilarellus*, *sajanellus* **spp. n.** Rumania p. 142, CARADJA Iris **39**.—*C. biformellus* **var. n.** *majorellus* Bulgaria p. 112, DRENOWSKI D. ent. Zs. **1925**.—*C. paganellus* **sp. n.** Canada p. 12, MCDUNNOUGH Can. Ent. **57**.—*C. isshiki* p. 182, *sakayehamanus* p. 183, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*C. permiacus* p. 386, *uralensis* p. 387, **spp. n.** Central Ural, PETERSEN Lep. Fauna Estland 1924.—*C. truncatellus* in Bohemia p. 209, SOFFNER Iris, Dresden **39**.

Crocidolomia suffusalis **var. n.** *sinensis* China p. 354, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Crocidophora artatalis, *zonalis* **spp. n.** China p. 357 figs., CARADJA t.c.

Cybolomia bimedia p. 36, *opistoleuca* p. 37, **spp. n.** Minussinsk, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.

Decaturia pectinalis further description p. 64, BARNES & BENJAMIN Pan-Pacific Ent. **2.**

Diatraea zeacolella larva p. 786 figs., ELLIS J. Agric. Res. **30.**

Dichocrocis latipunctalis **sp. n.** China p. 343 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Dioryctria splendidella biology pp. 98–108, figs., EIDMANN Forstwiss. Centralbl. **47.**

Endotricha (?) *contestalis* p. 316, *chromatis* p. 317, **spp. n.** China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. iii **3** 7.

Ephestia kühniella cocoons and silk-glands p. 79 figs., HASE Arb. biol. Reichsanst. Berlin **13** 1924; genitalia p. 70 figs., QUAST Arch. Natg. **86** A 10 (1920) 1921.

Epiparbattia **gen. n.** p. 358, *gloriosalis* **sp. n.** China p. 359 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Eumysia **gen. n.** for *Yosemitia mysiella* Dyar p. 220, DYAR Ins. Insc. Menstr. **13.**

Eurythmia anthophila **sp. n.** Texas p. 226, DYAR Ins. Insc. Menstr. **13.**

Euzophera aethaloneuria **sp. n.** Minussinsk p. 56, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.

Galleria mellonella parthenogenesis pp. 428–430, YUNG-TAI C.R. Soc. Biol. **93.**—*G. rubescens* **sp. n.** Trinidad p. 426 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Glyphodes indica bionomics pp. 267–268, VAYSSIÈRE & MIMEUR Agron. colon. no. **90.**—*G. crithealis* **f. n.** *minoralis*, **var. n.** *parvipunctalis*; *nigribasalis* **sp. n.** China p. 352 figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*G. pyloalis* bionomics pp. 47–101 figs., YOKOYAMA Bull. Imp. Sericult. Expt. Sta. Japan **2.**

Glyptomorpha deesae figured p. 263, RAMAKRISHNA AYYAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Hapalia ieralis **sp. n.** Trinidad p. 425, KAYE Trans. Ent. Soc. Lond. **1924.**

to Bracnidae p. 324.

Heliothela cretostrigalis **sp. n.** China p. 372, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Herculia biarealis **sp. n.** China p. 323 fig., CARADJA t.c.

Homoeosoma apicipunctella **sp. n.** China p. 302, CARADJA t.c.

Hyalosticta naparimalis **sp. n.** Trinidad p. 425 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Hyboloma ? (**subgen. n.** *Mimicia* p. 324), *pseudolibatrix* **sp. n.** China p. 325 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Insalebria **gen. n.** p. 33, *kozhantshikovi* **sp. n.** p. 34 Minussinsk, FILIPJEV Jahrb. Mart. Staatmus. Minussinsk **2** no. 3.

Jocara lichfoldi **sp. n.** Trinidad p. 425 fig., KAYE Trans. Ent. Soc. Lond. **1924.**—*J. mirandalis* **sp. n.** China p. 307 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*J. mava*, *oduvalda* p. 17, *desideria*, *theodota* p. 18, *sisinnia* p. 19, *cantianilla*, *hospitia* p. 20, *prudentia*, *sara* p. 21, *yva* p. 22, *gillalis*, *maurontia* p. 23, *athanasia*, *acheola* p. 24, *anacita*, *andeola* p. 25, *amazonalis* p. 26, **spp. n.** S. America figs., SCHAUS Ann. Carnegie Mus. **16.**

Jocarula **gen. n.** (Epipaschiinae) *agriperda* **sp. n.** Peru p. 219, DYAR Ins. Insc. Mens. **13.**

Lætilia zamacrella **sp. n.** California p. 12, DYAR t.c.

Lamoria glaucalis **sp. n.** Shanghai p. 296 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Lamprophaia **gen. n.** p. 363, *mirabilis* **sp. n.** China p. 364, CARADJA t.c.

Laodamia cupronigrella **sp. n.** Canton p. 305, CARADJA t.c.

Lepidomys nevalis **sp. n.** U.S.A. p. 127, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27.**

Lineodes valsaynalis **sp. n.** Trinidad p. 426 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Loxostege caffreii discussion of type p. 7, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27.**—*L. similalis* larva p. 787 figs., ELLIS J. Agric. Res. **30.**

Macalla termenipuncta p. 26, *hyutanahana* p. 27, *aciusa*, *boliviana* p. 28, **spp. n.** S. America figs., SCHAUS Ann. Carnegie Mus. **16.**—*M. grisealis* p. 307, *elatalis*, *viridetincta* p. 308 **spp. n.**; ? *derogatella* **subsp. n.** *scurtata*; *shanghaiella* **sp. n.**; *sordidalis* **subsp. n.** *proximalis* p. 309, *kwantungialis*, *nankingialis* p. 310, *impurella*, *pretiosalis* p. 311, *dubiosalis*, *pseudopinguinalis*, *ridiculalis* p. 312, **spp. n.** China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Macrotheca lecerfialis **sp. n.** California p. 64, BARNES & BENJAMIN Pan-Pacific Ent. **2.**

Melitara doddalis **sp. n.** Mexico p. 13, DYAR Ins. Insc. Mens. **13.**

Microthrix relictella **sp. n.** Canton p. 303, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Mimicia **subgen. n.** see *Hyboloma.*

Mimopolyocha **gen. n.** for *Platytes obscurellus* Mats. p. 184, MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Myelois piazzella **sp. n.** California p. 11, DYAR Ins. Insc. Mens. **13.**

Nacoleiopsis **gen. n.** *auriceps* **sp. n.** Saghalien p. 188 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Nephopteryx biareatella **sp. n.** China p. 304 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Noctuelia avicennae **sp. n.** Arabia p. 149 fig., TAMS Ann. Mag. N. H. (9) **15.**

Nomophila noctuella larva p. 787 figs., ELLIS J. Agric. Res. **30.**

Nosophora dispilalis **subsp. n.** *artusalis*, *semitritalis* **subsp. n.** *hilaralis* China p. 340 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Nouanda **gen. n.** for *Wanda agatha* Schaus p. 79 figs., HOLLAND & SCHAUS Ann. Carnegie Mus. **16.**

Nymphula nymphaeata **subsp. n.** *benesignata*; *foedalis* **f. n.** *cantonalis* p. 328; *difflualis* **subsp. n.** *nigralbalis* p. 329 fig. China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Oligostigma kwantungiale **sp. n.** China p. 331 fig., CARADJA t.c.

Olyca subumbrella **sp. n.** Mexico p. 14, DYAR Ins. Insc. Mens. **13.**

Omphisa albalis **sp. n.** China p. 355 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Orthaga disparoidalis **sp. n.** Shanghai p. 315 fig., CARADJA t.c.

Orthoraphis bilineata **sp. n.** Canton p. 336, CARADJA t.c.

Orybina flaviplaga **f. n.** *kiangsualis*, *imperatrix* **sp. n.** p. 327 China fig., CARADJA t.c.

Ozamia thalassophila **sp. n.** p. 15; *clarefacta* **r. n.** *heliophila* p. 222 California, DYAR Ins. Insc. Menstr. **13.**

Pachyzancloides **gen. n.** p. 191, *sexmaculosus* **sp. n.** Saghalien p. 190 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Phlyctaenia rubigalis larva p. 785 fig., ELLIS J. Agric. Res. **30.**

Phlyctaenodes decoloralis **subsp. n.** *sinensis* China p. 361, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Phycita diaphana **f. n.** *ricinivorella* Tunisia p. 232, DUMONT Bull. Soc. ent. Fr. **1925.**

Pionea insiola **sp. n.** Mexico p. 7, DYAR Ins. Insc. Mens. **13.**—*P. lienpingialis* p. 364, *ingentalis* **spp. n.**, *flavicinctalis* **subsp. n.** *chromalis* p. 366 China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Platytes obscurellus see *Mimopolyocha.*

Pococera nepomuca **sp. n.** Bolivia p. 16 figs., SCHAUS Ann. Carnegie Mus. **16.**

Polyocha angustata female described p. 183 fig., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15.**—*P. largella* **sp. n.** China p. 302 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Polythlipta maculalis **f. n.** *conjunctalis* China p. 353, CARADJA t.c.

Psara submarginalis **sp. n.** p. 360, *intensalis* **subsp. n.** *rubellalis* p. 361 China, CARADJA t.c.—*P.* synonymy of several spp. pp. 286–290, JOANNIS Bull. Soc. ent. Fr. **1925.**

Pycnarmon radiata **subsp. n.** *benesignata* China, *albalis* **sp. n.** Key Is. p. 337, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Pyralis pygmaealis **sp. n.** China p. 319 fig., CARADJA t.c.

Pyrausta nubilalis response of adults to light in oviposition pp. 419–431, BARBER Ann. Ent. Soc. Amer. **18**: bibliography 20 pp., WADE U.S. Dept. Agric. Misc. Circ. **46**.—*P. vinacealis*, *odontogrammalis* p. 368, *auranticilialis* p. 369, *carminalis*, *minimalis* p. 371 **spp. n.**, *palustralis* **subsp. n.** *infascialis* p. 370 China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*P. galactalis* **sp. n.** California p. 10, DYAR Ins. Insc. Mens. **13**.—*P. nubilalis* p. 778, *ainsliei* p. 780, *penitalis* p. 783 larval differences figs., ELLIS J. Agric. Res. **30**.—*P. cretacea* **sp. n.** W. Transcaucasia p. 47, figs., FILIPJEV Rev. russe Ent. **19**.

Pyrochlora majorcula **sp. n.** Fr. Guiana p. 7, DYAR Ins. Insc. Mens. **13**.

Rhodophaea lienpingialis **sp. n.** China p. 306, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Sacada confutsealis **sp. n.** China p. 326 fig., CARADJA t.c.

Salebria cantonella **sp. n.** Canton p. 303 fig., CARADJA t.c.—*S. funerella* California, *yuconella* Alaska, **spp. n.** p. 12, DYAR Ins. Insc. Mens. **13**.

Scirpophaga praelata **var. n.** *xanthopygata* Siberia p. 11, SCHAWERDA Zs. österr. Ent.-Ver. **7** 1922.—*S. innotata*, life-history in Java pp.1–306 fig., VAN DER GOOT Med. Inst. Plantenziekten no. **66**.

Scoparia ulmella morphology pp. 9–13, FILIPJEV Not. ent. **5**.—*S. sachalinensis* p. 185, *ichinosawana* p. 186, **spp. n.** Saghalien figs., MATSUMURA J. Coll. Agric. Hokkaido Imp. Univ. **15**.

Silveria **gen. n.** (Crambinae) p. 10, *hexhex* (type), *adelphilia* **spp. n.** Mexico p. 11, DYAR Ins. Insc. Mens. **13**.

Stemmatophora capnosalis **sp. n.** China p. 322, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Stenochilo ciniferalis **sp. n.** China p. 299, CARADJA t.c.

Stericta atribasalis **f. n.** *astigmatalis*; *angustalis* p. 313, *rubiginetincta* p. 314, **spp. n.** figs., CARADJA t.c.—*S. palmistalis* **sp. n.** Trinidad p. 424 fig. 1, KAYE Trans. Ent. Soc. Lond. **1924**.—*S. anthimusalis* p. 34, *bevnoa*, *comgalla* p. 35, *eadberti* p. 36, *hermengilda*, *paschasia* p. 37, *petamona* p. 38, *phaebadia*, *pontealis* p. 39, *possidia*, *cecidiptoides* p. 40, *olivenca* p. 41, **spp. n.** S. America figs., SCHAUS Ann. Carnegie Mus. **16**.

Sylepta sceletogramma **sp. n.** Mexico p. 10, DYAR Ins. Insc. Mens. **13**.—*S. mandarinalis* p. 346, *hoenei* p. 347, *capnodalis*, *lucidalis*, *amoyalis* p. 348, **spp. n.** China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*S. seminigralis*, *nigralis* **spp. n.** Trinidad p. 424 figs., KAYE Trans. Ent. Soc. Lond. **1924**.—*S. derogata* bionomics pp. 255–260, VAYSSIÈRE & MIMEUR Agron. colon. no. **90**.

Talis key to Palaearctic spp. p. 149, *gigantalis* p. 146, *grisescens* p. 148, **spp. n.** Turkestan figs., FILIPJEV & DJAKONOV Ann. Mus. zool. Acad. Sci. Russ. **25** 1924.—*T. plenostria* **sp. n.** Minussinsk p. 32, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.

Tancoa ubalda, *silavia* **spp. n.** Bolivia p. 13, fig., SCHAUS Ann. Carnegie Mus. **16**.

Tegostoma summaperta **sp. n.** Mexico p. 9, DYAR Ins. Insc. Mens. **13**.

Tegulifera sinensis p. 319, *lienpingialis*, *kwantungialis* p. 320, *pretiosalis*, *rubralis* p. 321, **spp. n.** China figs., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Tetralopha hermasalis, *cataldusa* p. 10, *gybriana* p. 11, **spp. n.** Bolivia figs., SCHAUS Ann. Carnegie Mus. **16**.

Thecteria ysticalis **sp. n.** Mexico p. 8, DYAR Ins. Insc. Mens. **13**.

Tholeria pyraustalis **sp. n.** Florida p. 8, DYAR t.c.

Tioga juanalis **sp. n.** Fr. Guiana p. 9 fig., SCHAUS Ann. Carnegie Mus. **16**.

Trichophysetis bipunctalis **sp. n.** Canton p. 318 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Tucumania **gen. n.** (near *Laetilia*) p. 224, *tapiacola* (type) Argentina, *porrecta* Uruguay, **spp. n.** p. 225, DYAR Ins. Insc. Mens. **13**.

Tyspanodes striata **subsp. n.** *saturata*, *obscuralis* **sp. n.** China p. 341 fig., CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Ulopeza semivialis **subsp. n.** *nigricostalis* China p. 340, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Wanda agatha see *Nouanda.*

Yosemitia restriction of genus, *longipennella* a distinct sp., *mysiella* Dyar see *Eumysia*, p. 220, DYAR Ins. Insc. Mens. **13.**

Zophodia holochlora **sp. n.** Texas p. 15; restriction of genus p. 220; *grossulariae* **rr. n.** *ihouna* Utah and Oregon p. 221, *dilativitta* California, *magnificans* Washington, Br. Columbia; *purgatoria* **sp. n.** Arizona p. 222, DYAR Ins. Insc. Mens. **13.**

PTEROPHORIDAE.

Pterophoridae from China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7 p. 373.

Neuration of N. American Pterophoridae with key, LINDSEY Denison Univ. Bull. **20** 1924 pp. 187–192 figs.

Agdistis halodelta **sp. n.** Egypt p. 267, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Alucita imbecilla, *leptopsamma* **spp. n.** Eygpt p. 266, MEYRICK t.c.

Marasmarcha (*Exelastis*) *spinosa* **sp. n.** Canton p. 378, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Trichoptilus pygmaeus neuration and genitalia p. 187 figs., LINDSEY Denison Univ. Bull. **20** 1924.

AEGERIIDAE.

Studies of N. American Aegeriidae, ENGELHARDT Bull. Brooklyn Ent. Soc. **20** pp. 61–69, 153–158.

Biological notes on Sesiidae of Geneva, ROMIEUX Bull. Soc. lép. Genève **5** 1922 pp. 16–23.

Aegeria santanna **sp. n.** Trinidad p. 427 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Alcathoe key to N. American spp. p. 155, *carolinensis* p. 156, *pepsioides* p. 157 (with **subsp. n.** *atra* p. 158) **spp. n.** N. America, ENGELHARDT Bull. Brooklyn Ent. Soc. **20.**

Chamaesphecia festai **sp. n.** Cyrenaica p. 5, TURATI Boll. Mus. Zool. Torino **39** N.S. no. 27.

Dipsosphecia powelli **sp. n.** Morocco p. 211, LE CERF Bull. Soc. ent. Fr. **1925.** —*D. ichneumoniformis* oviposition and description p. 20, ROMIEUX Bull. Soc. lép. Genève **5** 1922.

Melittia lindseyi **n. n.** for *superba* Barnes & Lindsey, BARNES & BENJAMIN Proc. Ent. Soc. Wash. **27.**

Pyropteron biedermanni **sp. n.**; *seitzi* **subsp. n.** *phoenix* p. 210; *seitzi louisae* **ff. n.** *pallipes*, ♀ *aïcha* p. 211 Morocco, LE CERF Bull. Soc. ent. Fr. **1925.**

Sesia ichneumoniformis **subspp. n.** *albanensis*, *corcyrensis* Albania p. 86, REBEL Zs. österr. Ent.-Ver. **3** 1918.—*S.*, collection and treatment of larvae, pp. 116–119, BAU Ent. Jahrb. Leipzig **1** 1892.

Synanthedon acerrubri p. 64, *viburni* p. 65 New York, *albociliata* Texas p. 67, *auritincta* Arizona p. 68, **spp. n.**, ENGELHARDT Bull. Brooklyn Ent. Soc. **20.**

Trilochana triscoliopsis **sp. n.** Mindanao p. 208, ROTHSCHILD Ann. Mag. N. H., London (9) **16.**

TINEIDAE (*s.l.*).

Tineidae of China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7 pp. 257–383, 2 pls.

Catalogue of Oecophoridae, MEYRICK Gen. Ins. fasc. **180** 1922 pp. 1–224 figs.

List and keys to genera of Gelechiidae of the World, MEYRICK Gen. Ins. fasc. **184** pp. 1–290, 5 pls.

Catalogue of Carposinidae, MEYRICK Gen. Ins. fasc. **179** 1922, pp. 1–10 figs.

Gracilariidae in the Oxford district, WATERS Ent. Mo. Mag. **61** pp. 188–196.

Anatomy of a termitophilous Tineid larva, SCEGOLEVA-BAROVSKAJA Ann. Mus. Zool. Acad. Sci. **25** pp. 116–124.

Acompsia müller-rutzi **sp. n.** Corsica p. 137, WEHRLI Iris **39.**

Acrocercops arbutella **sp. n.** Arizona p. 149, BRAUN Can. Ent. **57.**

Acrolophus tretus **sp. n.** Trinidad p. 427 fig., KAYE Trans. Ent. Soc. Lond. **1924.**

Adela ridingsella bionomics p. 116 fig., WEISS & WEST Ent. News **36.**

Aeolanthes ampelurga **sp. n.** Kumaon p. 146, MEYRICK Exot. Micr. **3.**—*A. clinacta* **sp. n.** China p. 382, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Alciphanes **gen. n.** (Gelechiidae) type *molybdantha* Meyr. Ceylon p. 207, MEYRICK Gen. Ins. fasc. **184.**

Alloclita brachygrapta **sp. n.** Egypt p. 213, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Allotalanta deceptrix **sp. n.** China p. 380 fig., MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Anarsia arachniola **sp. n.** Egypt p. 210, MEYRICK Bull. Soc. R. ent. Egypte **1925.**—*A. lineatella* parasites pp. 279–288 fig., FAURE Rev. Zool. agric. & appl. **23** 1924.

Anasphaltis **gen. n.** (Gelechiidae) type *renigerella* Zell. Europe p. 107, MEYRICK Gen. Ins. fasc. **184.**

Anthistarcha **gen. n.** (Gelechiidae) type *geniatella* Busck, Central America p. 67, MEYRICK t.c.

Apocritica **gen. n.** (Gelechiidae) type *chromatica* Meyr. Seychelles p. 64, MEYRICK t.c.

Aristotelia devexella **sp. n.** Canada p. 124, BRAUN Can. Ent. **57.**—*A. amelanchierella* p. 189, *planitia* p. 190, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**

Ascalenia stereodoxa, evitans, p. 212, *antiqua* p. 213, **spp. n.** Egypt, MEYRICK Bull. Soc. R. ent. Eygpte **1925.**

Asmenistis **gen. n.** (Gelechiidae) type *cucullata* Meyr. p. 241, MEYRICK Gen. Ins. fasc. **184.**

Aulidiotis **gen. n.** (Gelechiidae) type *phoxopterella* Snellen p. 182, MEYRICK t.c.

Autosticha guttulata **sp. n.** Canton p. 380, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Auximobasis coffeaella **sp. n.** Brazil p. 13 fig., BUSCK in BUSCK & OLIVEIRA Comm. Estudo e Debellação da Praga Caféeira Pub. no. **13.**

Baeonoma infamis **sp. n.** Brazil, *holarga* Meyr. ♀ described (= *Machimia leucodelta* Meyr.) p. 160, MEYRICK Exot. Micr. **3.**

Blastobasis ochromorpha, molinda **spp. n.** India p. 145, MEYRICK t.c.

Brachmia casca **sp. n.** Utah p. 196, BRAUN Trans. Amer. Ent. Soc. **51.**—*B. lutatella* H.-S. in Britain pp. 82, 227, WATERS Ent. Mo. Mag. **61.**

Brachyerga **gen. n.** (Gelechiidae) type *hemiacma* Meyr. Malaya p. 235, MEYRICK Gen. Ins. fasc. **184.**

Bucculatrix chrysothamni p. 219, *tenebricosa, angustisquamella* p. 220, *salutatoria, divisa* p. 221, *arnicella* p. 223, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**

Capnolocha **gen. n.** (Xyloryctidae) *praenivalis* **sp. n.** New Guinea p. 152, MEYRICK Exot. Micr. **3.**

Carodista **gen. n.** (Gelechiidae) type *flagitiosa* Meyr. Africa p. 224, MEYRICK Gen. Ins. fasc. **184.**

Carposina ferruginea Natal, *altivaga* Belgian Congo, **spp. n.** p. 137, MEYRICK Exot. Micr. **3.**

Carterica **gen. n.** (Gelechiidae) type *phthoneropa* Meyr. China p. 223, MEYRICK Gen. Ins. fasc. **184.**

Casmara patrona **sp. n.** China p. 381 fig., MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Catelaphris **gen. n.** (Gelechiidae) type *torrefacta* Meyr. S. Africa p. 182, MEYRICK Gen. Ins. fasc. **184.**

Catoptristis **gen. n.** (Gelechiidae) type *trissoxantha* Meyr. S. America p. 134, MEYRICK t.c.

Cerostoma elongata **sp. n.** Utah p. 205, BRAUN Trans. Amer. Ent. Soc. **51.**—*C. sequella* **ab. n.** *stygiella* Austria p. 51, ERFURTH Zs. österr. Ent.-Ver. **9** 1924.

Cerycangela **gen. n.** (Gelechiidae) type *sacricola* Meyr., S. America p. 134, MEYRICK Gen. Ins. fasc. **184.**

Chalceopla discalis **sp. n.** Utah p. 223, BRAUN Trans. Amer. Ent. Soc. **51.**

Charistica **gen. n.** (Gelechiidae) type *rhodopetala* Meyr. S. America p. 133 fig., MEYRICK Gen. Ins. fasc. **184.**

Chlorolychnis **gen. n.** (Gelechiidae) type *agnatella* Walk. Indo-Malaya p. 241, MEYRICK t.c.

Choreutis multimarginata **sp. n.** Utah p. 203, BRAUN Trans. Amer. Ent. Soc. **51.**

Chrysoclista bimaculella biology Silesia, p. 21, RAEBEL Intern. ent. Zs. **19.**

Cladophantis pristina **sp. n.** Rhodesia p. 160, MEYRICK Exot. Micr. **3.**

Coleophora piperata p. 206, *annulicola* p. 207, **spp. n.**, Utah, BRAUN Trans. Amer. Ent. Soc. **51.**—*C. antennariella* H.-S. described p. 84 fig., WATERS Ent. Mo. Mag. **61.**—*C. sibirica* **sp. n.** Minussinsk p. 43, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.—*C. nigrosquamella* **sp. n.** Turkestan p. 51, FILIPJEV Rev. russe Ent. **19.**—*C. euryaula, vigilis* **spp. n.** Egypt p. 215, MEYRICK Bull. Soc. R. ent. Egypte **1925.**—*C.*, characters of cases pp. 10–11, MITTENBERGER Zs. österr. Ent.-Ver. **1** 1916.—*C.*, key to Estonian spp. of the *deauratella* group p. 520, PETERSEN Lep. Fauna Estland 1924.—*C. ochrea* **ab. n.** *portneri* Istria p. 33, PROHASKA Zs. österr. Ent.-Ver. **7** 1922.

Cophomantis **gen. n.** (Gelechiidae) type *elaphopis* Meyr. p. 242, MEYRICK Gen. Ins. fasc. **184.**

Coptodisca ribesella p. 217, *cercocarpella* p. 218, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**

Cryptophasa neocrates p. 146, *aggesta, phaeochtha, psammochtha* p. 147, *vacuefacta, chionotarsa, hormocrossa* p. 148, *curialis* p. 149, *nesograpta, sceliphrodes, ensigera* p. 150, *crocochorda, amphicroca* p. 151 New Guinea, *mesotoma* p. 149, *merocentra* p. 147 Buru **spp. n.**, MEYRICK Exot. Micr. **3.**—*C. ecclesiastis* Meyr. see *Thysiarcha.*

Cyanocrates **gen. n.** (Xyloryctidae) type *grandis* Druce p. 155, *inventrix* **sp. n.** Nigeria p. 156, MEYRICK Exot. Micr. **3.**

Cydosia sylpharis **sp. n.** Galapagos Is. p. 87, BUTLER Proc. Zool. Soc. **1877.**

Cymatoplex **gen. n.** (Gelechiidae) type *aestuosa* Meyr. Africa p. 223, MEYRICK Gen. Ins. fasc. **184.**

Cynicostola **gen. n.** (Gelechiidae) type *pogonias* Meyr. India p. 230, MEYRICK t.c.

Decatopseustis **gen. n.** (Gelechiidae) type *xanthastis* Lower Australia p. 140, MEYRICK t.c.

Deltoplastis **gen. n.** (Gelechiidae) type *ocreata* Meyr. Indo-Malaya p. 228 fig., MEYRICK t..c

Depressaria heracliana larva p. 789 figs., ELLIS J. Agric. Res. **30.**

Dinochares **gen. n.** (Gelechiidae) type *conotoma* Meyr. Ceylon p. 205, MEYRICK Gen. Ins. fasc. **184.**

Dolerotricha **gen. n.** (Gelechiidae) type *flabellifera* Rebel N. Africa p. 154, MEYRICK t.c.

Doxogenes **gen. n.** (Gelechiidae) type *brochias* Meyr. Ceylon p. 205, MEYRICK t.c.

Elachista salinaris p. 209, *sincera* p. 210, *herbigrada* p. 211, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**

Ellabella **gen. n.** (Glyphipterygidae) p. 46, *editha* **sp. n.** N. America p. 48 figs., BUSCK Proc. Ent. Soc. Wash. **27.**

Empalactis **gen. n.** (Gelechiidae) type *sporogramma* Meyr. Australia p. 170, MEYRICK Gen. Ins. fasc. **184.**

Eosolenobia **gen. n.** (Tineidae) p. 43, *grisea* **sp. n.** Minussinsk p. 44, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.

Epharmonia **gen. n.** (Gelechiidae) type *ardua* Meyr. India p. 226, MEYRICK Gen. Ins. fasc. **184.**

Epimesophleps aphridias **sp. n.** Egypt p. 210, MEYRICK Bull. Soc. R. ent. Egypte **1925.** .

Eriogenes **gen. n.** (Xyloryctidae) *mesogypsa* **sp. n.** New Guinea p. 159, MEYRICK Exot. Micr. **3.**

Erythriastis **gen. n.** (Gelechiidae) type *rubentula* Meyr. S. America p. 245, MEYRICK Gen. Ins. fasc. **184.**

Ethmia palawana **sp. n.** Philippines p. 574 fig., SCHULTZE Phil. J. Sci. **28.**

Euthorybeta xanthoplaca Turn. (=*ochroplaca* Turn.) p. 132, MEYRICK Exot. Micr. **3.**

Euzonomacha **gen. n.** (Gelechiidae) type *subjectella* Walk. S. America p. 133, MEYRICK Gen. Ins. fasc. **184.**

Evippe abdita **sp. n.** Utah p. 190, BRAUN Trans. Amer. Ent. Soc. **51.**

Gelechia petulans, nigrobarbata p. 125, *occlusa, permacta* p. 126, **spp. n.** Alberta, BRAUN Can. Ent. **57.**—*G. fructuaria* p. 193, *trilineella, frugalis* p. 194, *prognosticata* p. 195, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**—*G. dorrella* **sp. n.** Norway p. 52, GRØNLIEN Norsk Ent. Tidsskr. **2.**—*G. caerulea* **sp. n.** New Zealand p. 221, HUDSON Ent. Mo. Mag. **61.**—*G. amplexa* **sp. n.** Canton p. 380, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*G. antipyramis* **sp. n.** Egypt p. 209, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Gemorodes **gen. n.** (Xyloryctidae) p. 154, *diclera* **sp. n.** Natal p. 155, MEYRICK Exot. Micr. **3.**

Glaphyrerga **gen. n.** (Gelechiidae) type *mauricaudella* Ob. N. Africa p.113, MEYRICK Gen. Ins. fasc. **184.**

Glycynympha **gen. n.** (Xyloryctidae) type *roseocostella* Wals. p. 155, MEYRICK Exot. Micr. **3.**

Glyphipteryx fischeriella bionomics pp. 359–397 figs., CHOPRA Ann. App. Biol. **12.**—*G. isoclista* **sp. n.** Fiji p. 136, MEYRICK Exot. Micr. **3.**

Gnorimoschema consueta p. 191, *macromaculata* p. 192, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**

Gracilaria melanocarpae **sp. n.** Utah p. 215, BRAUN Trans. Amer. Ent. Soc. **51.**—*G. stigmatella* **ab. n.** *unicolorella*; *semifascia* **ab. n.** *nigrella*; *elongella* **ab. n.** *strigulella* (no localities) p. 28, PREDOTA Zs. österr. Ent.-Ver. **1** 1916.

Harpograptis **gen. n.** (Gelechiidae) type *eucharacta* Meyr. S. America p. 126, MEYRICK Gen. Ins. fasc. **184.**

Hectacma decoranda **sp. n.** Chatham Is. p. 274, MEYRICK Rec. Canterbury Mus. **2.**

Heteralcis **gen. n.** (Gelechiidae) type *tetraclina* Meyr. India p. 209, MEYRICK Gen. Ins. fasc. **184.**

Heterodeltis **gen. n.** (Gelechiidae) type *trichroa* Meyr. Ceylon p. 211, MEYRICK t.c.

Heterogymna heptanoma Ceram, *comitialis*, *collegialis* New Guinea, **spp. n.** p. 138, MEYRICK Exot. Micr. **3.**

Hieroxestis subcervinella (= *sanctaehelenae* Wlk., *plumipes* Butl., *ligniferella* Wlk.) p. 12, DURRANT Ent. Mo. Mag. **61.**

Hyalopseustis **gen. n.** (Xyloryctidae) p. 157, *vitrea* **sp. n.** Peru p. 158, MEYRICK Exot. Micr. **3.**

Hygroplasta **gen. n.** (Gelechiidae) type *spoliatella* Walk. India p. 244, MEYRICK Gen. Ins. fasc. **184.**

Hyperecta **gen. n.** (Gelechiidae) type *enoptrias* Meyr. India p. 132, MEYRICK t.c.

Hyperochtha **gen. n.** (Gelechiidae) type *butyropa* Meyr. p. 227, MEYRICK t.c.

Hypophrictoides **gen. n.** (Tineidae) *dolichoderella* **sp. n.** Java p. 182 figs., ROEPKE Tijdschr. Ent. **68.**

Imma philonoma Fiji p. 132, *selenaspis* Borneo, *dedicata* Bombay, *pelinactis* Kameruns, *asmenopa* p. 133, *tyroplaca* p. 134, *grammozona*, *tonans* p. 135 New Guinea, *aristopa* Rossel I., *endoneurias* Roon I. p. 134, **spp. n.**, MEYRICK Exot. Micr. **3.**

Isophrictis occidentalis **sp. n.** Utah p. 188, BRAUN Trans. Amer. Ent. Soc. **51.**

Lampronia sublustris **sp. n.** Alberta p. 127, BRAUN Can. Ent. **57.**

Larcophora **gen. n.** (Gelechiidae) type *sophronistis* Meyr. India p. 241, MEYRICK Gen. Ins. fasc. **184.**

Latypica corticea **sp. n.** Egypt p. 218, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Lecithocera (= *Mystax*) *sikkimella* p. 184, MEYRICK Entomologist **58.**

Leucoptera robiniella **sp. n.** Arizona p. 150, BRAUN Can. Ent. **57.**

Lindera tessellatella genitalia and 8th abdominal segment, p. 32 figs., PHILPOTT Proc. Linn. Soc. N.S.W. **50.**

Lita paniculatella **sp. n.** Bohemia p. 141 figs., NOVICKIJ Sbornik ent. odd. Narod. Mus. Praze **2** (19) 1924.—*L. zernyella* **sp. n.** Albania p. 87, REBEL Zs. österr. Ent.-Ver. **3** 1918.

Lithocolletis manzanita, *inusitatella* California p. 147, *cretaceella*, *arizonella* Arizona p. 148, **spp. n.**, BRAUN Can. Ent. **57.**—*L. pernivalis* p. 211, *superimposita* p. 212, **spp. n.** Utah, BRAUN Trans. Amer. Ent. Soc. **51.**—*L. sorbi* notes p. 27, LIENIG Ent. Zs. **38** 1924.

Machimia leucodelta see *Baeonoma.*

Malacyntis xerodoxa **sp. n.** Egypt p. 216, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Megacraspedus peyerimhoffi **sp. n.** Algiers p. 11 figs., LE CERF Encyc. ent. Ser. B. III Lep. **1.**

Melodryas zonotorna **sp. n.** Goodenough I. p. 131, MEYRICK Exot. Micr. **3.**

Meridarchis octobola **sp. n.** Buru p. 137, MEYRICK t.c.

Meridorma **gen. n.** (Gelechiidae) type *thrombodes* Meyr. S. America p. 31, MEYRICK Gen. Ins. fasc. **184.**

Microcalyptris **gen. n.** (Nepticulidae) p. 224, *scirpi* **sp. n.** Utah p. 225, BRAUN Trans. Amer. Ent. Soc. **51.**

Monerista **gen. n.** (Gelechiidae) type *hippastis* Meyr. India p. 208, MEYRICK Gen. Ins. fasc. **184.**

Monopis typhlopa **sp. n.** Chatham Is. p. 274, MEYRICK Rec. Canterbury Mus. **2.**

Mystax see *Thiotricha.*—*M. sikkimella* see *Lecithocera.*

Nemotois servata **sp. n.** China p. 383, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Nepticula pomivorella 4th stage larva p. 68 figs., FOX 55th Ann. Rept. Ent. Soc. Ontario **1924.**—*N. hypericella* Ohio p. 17, *marmaropa* p. 225, *taeniola* p. 226, Utah, **spp. n.,** BRAUN Trans. Amer. Ent. Soc. **51.**—*N.*, food-plants of Estonian spp. p. 550, PETERSEN Lep. Fauna Estland 1924.

Odites idonea, notocapna **spp. n.** China p. 382, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*O. obumbrata* Rhodesia, *holocitra* p. 156, *notosticta, holotorna* p. 157 Kameruns **spp. n.,** *metaphracta* ♀ described Natal p. 156, MEYRICK Exot. Micr. **3.**

Oecophora oliviella **var. n.** *stauderiella* S. Calabria p. 35, MITTERBERGER Soc. ent. **40.**

Olbothrepta **gen. n.** (Gelechiidae) type *hydrosema* Meyr. S. India p. 209, MEYRICK Gen. Ins. fasc. **184.**

Opogona isorthota **sp. n.** Siberia p. 185, MEYRICK Entomologist **58.**

Ornix alta **sp. n.** Utah p. 214, BRAUN Trans. Amer. Ent. Soc. **51.**

Oxygnostis **gen. n.** (Gelechiidae) type *diacma* Meyr. Ceylon p. 206, MEYRICK Gen. Ins. fasc. **184.**

Pachypsaltis psammodoxa **sp. n.** Egypt p. 217, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Pansepta hierophanes, amplificata, isopela, vadosa, chalarodes p. 153, *iocapna* p. 154, **spp. n.** New Guinea, MEYRICK Exot. Micr. **3.**

Parachronistis **gen. n.** (Gelechiidae) type *albiceps* Zeller Europe p. 52, MEYRICK Gen. Ins. fasc. **184.**

Paraclemensia acerifoliella life-history 15 pp. figs., HERRICK Cornell Univ. Agric. Expt. Sta. Bull. **417** 1923.

Parallactis **gen. n.** (Gelechiidae) type *plaesiodes* Meyr. Africa p. 246, MEYRICK Gen. Ins. fasc. **184.**

Parectopa albicostella **sp. n.** Utah p. 213, BRAUN Trans. Amer. Ent. Soc. **51.**

Parelectra **gen. n.** (Gelechiidae) type *helicopis* Meyr. America p. 129, MEYRICK Gen. Ins. fasc. **184.**

Pectinophora gossypiella, biology in Mexico pp. 1–11, GARCÍA Bol. Dir. Estudios biol. **3.**

Periphorectis **gen. n.** (Gelechiidae) type *ichorodes* Meyr. India p. 235, MEYRICK Gen. Ins. fasc. **184.**

Petasanthes **gen. n.** (Xyloryctidae) *leucactis* **sp. n.** Ecuador p. 158, MEYRICK Exot. Micr. **3.**

Phanoschista **gen. n.** (Gelechiidae) type *meryntis* Meyr. India p. 207, MEYRICK Gen. Ins. fasc. **184.**

Philarachnis **gen. n.** (Gelechiidae) type *xerophaga* Meyr. India p. 247, MEYRICK t.c.

Phthorimaea sacculicola, polemoniella **spp. n.** Ohio p. 13, BRAUN Trans. Amer. Ent. Soc. **51.**—*P. operculella* bionomics p. 469 figs., MERCET Bol. R. Soc. esp. Hist. nat. **25.**—*P. obtemperata* **sp. n.** Egypt p. 208, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Phyllocnistis sorhageniella biology and wing pattern p. 97 figs., SICH Ent. Rec. **37.**—*P. tremulella* Zell. described Britain p. 88, WATERS Ent. Mo. Mag. **61.**

Phyllorycter joannisella **sp. n.** France p. 134, WALSINGHAM Ent. Rec., London **37.**

Pleurota monotonia **sp. n.** Minussinsk p. 41, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.

Plutella maculipennis bionomics pp. 6–77 figs., REICHARDT Bull. Sous-sec. combattre ennemis Plantes Com. Agric. Petrograd **1** 1919.

Promolopica **gen. n.** (Gelechiidae) type *epiphanta* Meyr. Brazil p. 118, MEYRICK Gen. Ins. fasc. **184.**

Pronuba yuccasella distribution, America p. 414, PAMMEL Science, Garrison N.Y. **61.**

Prosodarma **gen. n.** (Gelechiidae) type *fibularis* Meyr. Malaya p. 244, MEYRICK Gen. Ins. fasc. **184.**

Protolychnis **gen. n.** (Gelechiidae) type *maculata* Wals. Africa and Australia p. 242, MEYRICK t.c.

Psacaphora communis **sp. n.** Utah p. 188, BRAUN Trans. Amer. Ent. Soc. **51.**

Psamathocrita **gen. n.** (Gelechiidae) type *osseella* Staint. Mediterranean p. 40, MEYRICK Gen. Ins. fasc. **184.**

Psephologa (?) *climacodes* **sp. n.** Egypt p. 217, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Ptochoryctis inviolata **sp. n.** Bombay p. 152, MEYRICK Exot. Micr. **3.**

Pyroderces coridophaga **sp. n.** Egypt p. 211, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Sagalassa isomacha **sp. n.** N.S.W. p. 132, MEYRICK Exot. Micr. **3.**

Satrapodoxa **gen. n.** (Gelechiidae) type *regia* Meyr. S. America p. 132, MEYRICK Gen. Ins. fasc. **184.**

Scieropepla byblinopa **sp. n.** Madagascar p. 154, MEYRICK Exot. Micr. **3.**

Scythris constantella **sp. n.** France p. 31 figs., DUMONT Encyc. ent. Ser. B. III. Lep. **1.**—*S. pyrrhopyga* **sp. n.** Minussinsk p. 42, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.—*S. recreata* **sp. n.** Egypt p. 214, MEYRICK Bull. Soc. R. ent. Egypte **1925.**—*S. bifissella* morphology p. 140, PETRY Iris **39.**—*S. karnyella* **sp. n.** Albania p. 87, REBEL Zs. österr. Ent.-Ver. **3** 1918.

Setiostoma characters and genitalia pp. 48–49 figs., BUSCK Proc. Ent. Soc. Wash. **27.**

Sphagiocrates **gen. n.** (Gelechiidae) type *lusoria* Meyr. Malaya p. 183, MEYRICK Gen. Ins. fasc. **184.**

Sphenocrates **gen. n.** (Gelechiidae) type *aulodocha* Meyr. Papua p. 234, MEYRICK t.c.

Stelechoris **gen. n.** (Gelechiidae) type *exaema* Meyr. India p. 243, MEYRICK t.c.

Symphanactis **gen. n.** (Gelechiidae) type *hetaera* Meyr. S. America p. 101 fig., MEYRICK t.c.

Syncopacma **gen. n.** (Gelechiidae) type *acrophylla* Meyr. S. Africa p. 72, MEYRICK t.c.

Technographa **gen. n.** (Gelechiidae) type *ephestris* Meyr. Ceylon p. 207, MEYRICK t.c.

Telphusa brucinella further description p. 208, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Tetracmanthes **gen. n.** (Glyphipterygidae), *astrocosma* **sp. n.** Natal p. 136, MEYRICK Exot. Micr. **3.**

Teucrodoxa **gen. n.** (Gelechiidae) type *spiculifera* Meyr. Ceylon p. 206, MEYRICK Gen. Ins. fasc. **184.**

Thiotricha Meyr. (=*Mystax* Wlsm.) p. 184, MEYRICK Entomologist **58.**

Thymbritis **gen. n.** (Gelechiidae) type *molybdias* Meyr. India p. 230, MEYRICK Gen. Ins. fasc. **184.**

Thysiarcha **gen. n.** (Xyloryctidae) for *Cryptophasa ecclesiastis* Meyr. p. 146, MEYRICK Exot. Micr. **3.**

Tinea praetoriella morphology p. 138, PETRY Iris **39.**

Tineola atriensis **sp. n.** Egypt p. 217, MEYRICK Bull. Soc. R. ent. Egypte **1925.**—*T. biselliella* morphology and life-history p. 1, TITSCHACK Zs. techn. Biol. **10** 1922; development pp. 213–251 figs., TITSCHACK Zs. wiss. Zool. **124.**

Tischeria admirabilis **sp. n.** Ohio p. 16, BRAUN Trans. Amer. Ent. Soc. **51.**

Trichophaga amina **sp. n.** Egypt p. 216, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

Trichotaphe stipendiaria **sp. n.** Utah p. 196, BRAUN Trans. Amer. Ent. Soc. **51.**

Tricyanaula **gen. n.** (Gelechiidae) type *aurantiaca* Wlsm. India and Africa p. 131, MEYRICK Gen. Ins. fasc. **184.**

Urodus perischias, sympiestis, carabopa, p. 129, *niphatma, hypsicrates* p. 130, *spumescens* p. 131 S. America, *decens* Costa Rica p. 129, **spp. n.**, MEYRICK Exot. Micr. **3.**

Xerometra **gen. n.** (Gelechiidae) type *crocina* Meyr. Australia p. 170, MEYRICK Gen. Ins. fasc. **184.**

Xylodryas **gen. n.** (Xyloryctidae) p. 151, *cryeranthes* **sp. n.** New Guinea p. 152, MEYRICK Exot. Micr. **3.**

Zarcinia sacra **sp. n.** Egypt p. 214, MEYRICK Bull. Soc. R. ent. Egypte **1925.**

TORTRICIDAE.

The Tortricidae of China, CARADJA Acad. Romana, Mem. Sect. Stiint. ser. *ii* **3** 7 pp. 257–383 2 pls.

Catalogue of Japanese Tortricina, ISSHIKI Dobuts. Z. **34** 1922 pp. 282–292.

Review of Pierce's volume on the genitalia of the Tortricidae, SICH Ent. Rec. **37** pp. 49–53, 122–124.

Acalla contaminana life-history and variation p. 171, TURNER Ent. Rec. **37**.

Acroclita paulina **sp. n.** India p. 140, MEYRICK Exot. Micr. **3**.

Anisotaenia rectifasciata **var. n.** *carinthiaca* Carinthia pp. 2, 24, PROHASKA Zs. österr. Ent.-Ver. **7** 1922.

Argyroploce antiquana recorded in France p. 39, LE CERF Encyc. ent. Ser. B. III. Lep. **1**.—*A. musochares* **sp. n.** Shanghai p. 379 fig., MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.—*A. toxogramma* New Guinea, *niphodelta* Assam, **spp. n.** p. 143, MEYRICK Exot. Micr. **3**.

Cacoecia fumiferana bionomics pp. 195–205 figs., GIBSON Trans. R. Soc. Canada **19** sec. 5.—*C. contemptrix* **sp. n.** Canton p. 378, MEYRICK Acad. Romana, Mem. Sect. Stiint. ser. iii **3** 7.

Camptrodoxa **gen. n.** *inclyta* **sp. n.** Natal p. 144, MEYRICK Exot. Micr. **3**.

Carposininae *see* Tineidae.

Conchylis griseolana **sp. n.** Estonia p. 436, PETERSEN Lep. Fauna Estland 1924.—*C. hartmanniana* **ab. n.** *excelsior* Adriatic p. 36, SCHAWERDA Zs. österr. Ent.-Ver. **5** 1920.

Epagoge montedorea **sp. n.** Corsica p. 136, WEHRLI Iris **39**.

Epiblema scudderiana p. 788, *strenuana* p. 789 larvae figs., ELLIS J. Agric. Res. **30**.—*E. benignata* **sp. n.** Canada p. 21 fig., MCDUNNOUGH Can. Ent. **57**.—*E. cnicicolana* a British sp. p. 73 figs., SHELDON Entomologist **58**.

Epinotia sagittana, corylana p. 22, *kasloana* p. 23, **spp. n.** Canada fig., MCDUNNOUGH Can. Ent. **57**.

Eriopsela quadrana early stages p. 233, SHELDON Entomologist **58**.

Eucosma ophionana p. 18, *heinrichi, vagana* p. 19, *simplex* p. 21, *watertonana* p. 115, **spp. n.** Canada fig., MCDUNNOUGH Can. Ent. **57**.—*E. hypsidryas* p. 140, *phoenocrossa* p. 141, *dryocarpa* p. 142 India, *paradelta, florescens* S. Africa p. 141, **spp. n.**, MEYRICK Exot. Micr. **3**.

Euxanthis rectifascia p. 59, *disjuncta* p. 60, **spp. n.** Minussinsk, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.—*E. psalmophanes* **sp. n.** Egypt p. 208, MEYRICK Bull. Soc. R. ent. Egypte **1925**.

Evetria buoliana egg p. 5, GASOW Nachrichtenbl. deutsch. Pflanzenschutzdienst **5**.

Gretchena semialba **sp. n.** Manitoba p. 116, MCDUNNOUGH Can. Ent. **57**.

Harmologa toroterma **sp. n.** New Zealand p. 221, HUDSON Ent. Mo. Mag. **61**.

Laspeyresia coeruleosparsa **sp. n.** Siberia p. 39, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.—*L. marginestriana* **sp. n.** W. Transcaucasia p. 50, FILIPJEV Rev. russe Ent. **19**.—*L. molesta* bionomics pp. 1–157 figs., HARUKAWA Ohara Agric. Res. Inst. Spec. Rept. **3**.—*L. leucatma* p. 144, *stelocosma* Rhodesia, *amphilecta* Bengal p. 145, **spp. n.**, MEYRICK Exot. Micr. **3**.—*L. interstinctana* description, life-history, etc., 34 pp. figs., WEHRLE Cornell Univ. Agric. Expt. Sta. Bull. **428** 1924.

Peridaedala **gen. n.**, *hierograpta* **sp. n.** New Guinea p. 139, MEYRICK t.c.

Peronea cristana notes on series in Dale collection p. 2, *comariana* many new named forms p. 281, SHELDON Entomologist **58**.

Phalonia roseotincta, lanceolata **spp. n.** Siberia p. 58, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.—*P. praefuscata* **sp. n.** Egypt p. 267, MEYRICK Bull. Soc. R. ent. Egypte **1925**.—*P. thermoconis* **sp. n.** Kashmir p. 139, MEYRICK Exot. Micr. **3**.

Polychrosis subherculeana **sp. n.** Siberia p. 60, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.—*P. eoplecta* Rhodesia, *rhipidoma* Fiji, **spp. n.** p. 142, MEYRICK Exot. Micr. **3**.

Semasia elongata p. 38, *gracilis* p. 61 **spp. n.** Siberia, FILIPJEV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3.

Sonia canadana **sp. n.** Manitoba p. 115, McDUNNOUGH Can. Ent. **57.**

Thiodia albertana p. 12, *indeterminana, modernana* p. 13, *convergana* p. 15, *complicana, youngi* p. 16, *camdenana, rupestrana* p. 17, **spp. n.** Canada fig., McDUNNOUGH t.c.

Tortrix viridana monograph pp. 355–508 figs., GASOW Arb. biol. Reichsanst. **12**; parasites p. 26, HANCOCK Ent. Mo. Mag. **61**; bionomics 45 pp. figs., SEABRA & DOS SANTOS HALL Mem. Estud. Mus. zool. Univ. Coimbra ser. ii no. **1** 1924.

Zeiraphera vancouverana **sp. n.** Canada p. 21 fig., McDUNNOUGH Can. Ent. **57.**

HEPIALIDAE.

On the wing-coupling apparatus of the Hepialidae, PHILPOTT Trans. Ent. Soc. Lond. **1925** pp. 331–340 figs.

Hepialus roseicaput a distinct sp. p. 81 (with ♀ **ff. n.** *mutatus, demutatus* Oregon), *novigannus* **sp. n.** Ontario (with **r. n.** *mackiei* Alberta) p. 82, *hyperboreus* key to allied forms of group p. 83, BARNES & BENJAMIN Pan-Pacific Ent. **2.**—*H. ganna* **ab. n.** *reducta* Tyrol p. 30, DEUTSCH Zs. österr. Ent.-Ver. **7** 1922.—*H. humuli* **ab. n.** ♀ *rosea*; *hecta* **ab. n.** *unicolor* Estonia p. 167 (sep. pp.), PETERSEN Beitr. Kunde Est-, Liv- u. Kurlands **1902.**

Oncopera key to Australian spp. p. 272, EYER Proc. Linn. Soc. N.S.W. **50.**—*O. epargyra, brachyphylla* p. 273 **spp. n.** Queensland figs., TURNER t.c.

MICROPTERYGIDAE (*s.l.*).

Neopseustidae **fam. n.** p. 145, HERING Mitt. Zool. Mus. Berlin **12.**

Neopseustis meyricki **sp. n.** Formosa p. 146 figs., HERING t.c.

Sabatinca wing-coupling apparatus pp. 414–419 fig., PHILPOTT Rpt. Austral. Assoc. Adv. Sci. **16** 1924.—*S.*, abdominal scent-organ p. 457, PHILPOTT Trans. Ent. Soc. Lond. **1924.**

HYMENOPTERA.

The Fossorial Hymenoptera of France, BERLAND Bull. Soc. ent. Fr. **1925** pp. 44–45, 93–95 ; and Ann. Soc. ent. Fr. **93** 1924 p. 378 ; **94** pp. 39–53, 44–45 figs.

Hyménoptères vespiformes, I. BERLAND Faune de France **10** Paris, viii + 364 pp. figs.

Hymenoptera of Lithuania, BISCHOFF Abh. math-naturw. Abt. Bayer. Akad. Wiss., Suppl. vol. 1925, pp. 278–337.

Copulatory apparatus of Hymenoptera, BOULANGÉ Mém. Trav. Fac. Cathol. Lille **28** 1924 pp. 1–444 3 pls. 141 figs.

Classified catalogue of Hymenoptera of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte no. **7** 1922 pp. 54–71 figs.

Nests of Hymenoptera, COULON Bull. Soc. Étude Sci. nat. Elbeuf **42** (1923) 1924 pp. 85–100.

Some parasitic Hymenoptera from Finland, FORSIUS Medd. Soc. Fauna Fl. Fenn. **49** pp. 62–70.

The leaf-mining habit in Hymenoptera, FROST Ann. Ent. Soc. Amer. **18** pp. 399–414 figs.

The acroglossal buttons and the submentum of Hymenoptera, LIU Ann. Ent. Soc. Amer. **18** pp. 445–454 1 pl.

Corrections to paper on Hymenoptera of Dalmatia, Montenegro and Albania, MAIDL Ann. Nathist. Mus. Wien **38** p. 106.

A list of Aculeate Hymenoptera of the Polish Tatra, NOSKIEWICZ Kosmos **45** 1920 pp. 145–162.

The Aculeate Hymenoptera of Gloucestershire and Somersetshire, PERKINS Ann. Rept. Proc. Bristol Nat. Soc. **6** 1924 pp. 133–160.

Some parasitic Hymenoptera in S. India, RAMAKRISHNA AIYAR J. Bombay Nat. Hist. Soc. **30** pp. 487–491 3 pls. 1 fig.

Biology of parasitic Hymenoptera living in water, RIMSKY-KORSAKOV J. App. Ent. **1** 1917 pp. 1–7.

Insect fauna of Baden: Hymenoptera, STROHN Mitt. Bad. ent. Ver. **1** pp. 205–218.

List of Corean Hymenoptera collected in 1922, UCHIDA Insect World **29** pp. 328–337, 366–373.

Revision of Hymenoptera of Connecticut, VIERECK & others Conn. N. H. Surv. Bull. **22** 1916 824 pp. 10 pls.

Antennal sense-organs in Hymenoptera, WACKER Zs. Morph. Oekol. Tiere **4** p. 739.

Apoidea.

APIDAE (*s.l.*).

Notes on the life-history of Xylocopidae, ALFKEN Ent. Rdsch. **42** pp. 41–42.

Variation in length of proboscis in honey-bee, ALPATOV Zool. Anz. **65** pp. 103–111.

The moults of the honey-bee, BERTHOLF J. Econ. Ent. **18** pp. 380–384.

The Bee fauna of Northwestern Thuringia, BLÜTHGEN Mitt. Ent. Ges. Halle a. S. **10** 1916 pp. 10–40 ; **11** 1917 pp. 72–73.

A new generic key to Apidae, BOUWMAN Levende Natuur **29** pp. 137–143 33 figs.

Some Philippine bees, COCKERELL Phil. J. Sci. **26** pp. 53–55.

Synonymical and other notes on Indian bees, DOVER Ann. Mag. N. H. (9) **15** pp. 219–234.

British Indian Apidae in the Natural History Museum in Vienna, DOVER Ann. nat.-hist. Mus. Wien **38** pp. 118–120.

The bumble-bees of the Philippine Islands with keys, FRISON Phil. J. Sci. **27** pp. 113–121 1 pl.

Contribution to the classification of the Bremidae (bumble-bees) of Central & S. America, FRISON Trans. Amer. Ent. Soc. **51** pp. 137–164 figs.

On the biology of leaf-cutting bees, KRIEGER Ent. Jahrb. Leipzig **3** 1894 pp. 232–237.

Corrections of synopsis of Panurgidae (Psyche 29 p. 195), ROBERTSON Psyche **32** p. 113.

Bombidae of Petrograd province, SKORIKOV Faunae Petropol. Catal. **2** no. 11 1922 51 pp. 4 maps.

Anatomy and physiology of the honey-bee, SNODGRASS McGraw-Hill Publg. Co. Ltd. London 1925 327 pp. 108 illus.

The evolution of the bee, TILLYARD N.Z. Fruitgrower & Apiarist 17 Nov. 1924, reprint 2 pp. 2 figs.

Rare bees of Upper Silesia, TORKA Intern. ent. Zs. **18** pp. 249–251, 255–257.

Revision of Apoidea of Connecticut with various keys, VIERECK Conn. N. H. Surv. Bull. **22** 1916 pp. 698–760, 776–777 figs.

Notes on markings and distribution of bumble-bees in Holland, VUYCK Levende Natuur **29** pp. 77–86.

Heredity in the honey-bee, WHITING J. Heredity **13** 1922 pp. 1–8 3 pls. 1 fig.

Agapostemon texanus **subsp. n.** *vandykei* California p. 191, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Agrobombus (*Adventoribombus*) *derhamellus* **varr. n.** *lateralis, nigerrimus, canescens, sagemehli* Petrograd Province; **subspp. n.** *sartus* Turkestan Mts., *rossicus* E. Europe (with **varr. n.** *tenuifasciatus, latofasciatus, tarnaniellus, postzonatus, canonotus, shestakovi, birulai, pseudovariabilis,* **ab. n.** *brevipilosus*) p. 25; (*A.*) *helferanus* **varr. n.** *subhelferanus, subsordidus, submuscorum, disconotus, discophorus* Petrograd Province p. 29, SKORIKOV Faunae Petrop. Catal. **2** no. 11 1922.

Ancyloscelis, systematic notes, list of spp., key to Brazilian pp. 151–176, SCHROTTKY Rev. Mus. Paul. **12** 1920 Part II.

Andrena sparsiciliata **sp. n.** Germany p. 165, ALFKEN Mitt. Badischen ent. Ver. **1.**—*A. anthrisci* **sp. n.** Mühlhausen p. 156, BLÜTHGEN Stett. ent. Ztg. **85.**—*A. hicksi* p. 628, *lamellicauda* p. 629, **spp. n.** Colorado, COCKERELL Ann. Mag. N. H. (9) **16.**—*A. hypomelaena* **sp. n.** Cyrenaica p. 34, GRIBODO Boll. Mus. Zool. Torino **39** N.S. no. 16 1924.—*A. helvola* p. 61 figs., LIE-PETTERSEN Naturen **48** 1924.—*A. labialis,* gynandromorph p. 76 fig., MÜLLER Mitt. Ent. Ges. Halle a. S. **11** 1917.—*A. paucisquama* **sp. n.** Poland p. 126 figs., NOSKIEWICZ Kosmos **49** 1924.—*A. nanaeformis* **sp. n.** Poland p. 141, NOSKIEWICZ Polsk. Pismo ent. **3.**—*A. macedonica* p. 44, *caskana* p. 45, **spp. n.** Macedonia, STRAND Zs. österr. Ent.-Ver. **4** 1919.—*A. stenosoma* **sp. n.** Nevada p. 135, VIERECK Trans. Amer. Ent. Soc. **51.**

Anthidiellum robertsoni **r. n.** *citrinellum* California p. 362, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Anthidium keys pp. 351, 359, *fresnoense, xanthognathum* p. 347, *fontis* p. 348, *permaculatum* p. 349, *divisum* (with **varr. n.** *ornatifrons, nanulum*) p. 350, *plumarium* p. 356, *angulatum, brachyurum* p. 357, *hamatum* p. 358, *flavicaudum, spinosum* p. 359, *punctticaudum* p. 360, *lucidum* p. 361 U.S.A. **spp. n.,** *illustre* Cresson transferred to *Callanthidium* **gen. n.** p. 365, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**—*A. rhodophorum* **sp. n.** Colorado p. 623, COCKERELL Ann. Mag. N. H. (9) **16.**—*A. cingulatum* Lat., *imitator* Smith subsp. not synonym p. 158, COCKERELL Entomologist **58.**—*A. sylvaticum* **sp. n.** Simla p. 233, DOVER Ann. Mag. N. H. (9) **15.**—*A. longipes* Brazil p. 41, *bizonatum* Bolivia p. 42, **spp. n.,** FRIESE Konowia **4.**—*A. trispinosum, capuzinum* p. 510, *flaviventre, pallidicinctum* p. 511 **spp. n.**; *minutulum* **var. n.** *flavescens* p. 509 S. Africa, FRIESE Zool. Jahrb. Abt. Syst. **49.**—*A. manicatum* **var. n.** *lutens* p. 31; *cyrenaicum* **sp. n.** p. 32 Cyrenaica, GRIBODO Boll. Mus. Zool. Torino **39** N.S. no. 16 1924.—*A. olympinum* see *Dianthidium anisitsi.*

Anthophora subrussata **sp. n.** Philippines p. 489, COCKERELL Ann. Mag. N. H. (9) **15.**—*A. whiteheadi* **subsp. n.** *samarensis* Philippines p. 170, COCKERELL & LEVEQUE Phil. J. Sci. **27.**—*A. sinuatitarsis* **sp. n.** Rhodesia p. 503, FRIESE Zool. Jahrb. Abt. Syst. **49.**—*A. hispanica* **st. n.** *cyrenaica* p. 5; *caelebs* p. 6, *fratercula* p. 7, *intricata* p. 10, *intermixta* p. 11, *fastuosa* p. 13, *ghigii* p. 14, *zanoni* p. 15, *festae* p. 16, **spp. n.** Cyrenaica, GRIBODO Boll. Mus. Zool. Torino **39** N.S. no. 16 1924.

Apis mellifica biology, p. 47, ARDBUCKLE J. Elisha Mitchell Sci. Soc. **41**; open-air nests, Denmark p. 24 figs., DÜRKOPP Tidsskrift for Biavl, **58** 1924; symbiosis pp. 145–150, van EMELEN Rev. Mus. Paul. **10** 1918; intergrade between queen and worker p. 1, KOZHEVNIKOV Biol. Mitt. **1923** Lief. 1; flight, 37 pp. 13 figs., LUNDIE U. S. Dept. Agric. Dept. Bull. **1328**; brood-rearing cycle, 55 pp. figs., NOLAN

U. S. Dept. Agric. Dept. Bull. **1349**; cocoon pp. 176–189, PRELL Erlanger Jahrb. Bienenk. **2** 1924; early stages and cocoon **14** 1924 pp. 74–78, 112–114, 127–129, voice **15** 1925 pp. 83–85, 109–111, 132–134 etc., PRELL Märkische Bienenzeitung.

Augochlora trinitatis **sp. n.** Trinidad p. 627, COCKERELL Ann. Mag. N. H. (9) **16.**

Bombus [*Bremus*] *separatus* **var. n.** *nero*; *bimaculatus* **varr. n.** *ahenus* p. 275, *arboreti*; *vagans* **var. n.** *coctus* p. 276 Boston (U.S.A), BEQUAERT & PLATH Bull. Mus. Comp. Zool. **67.**—*B. lapponicus* **var. n.** *insularis* Angel Isl. p. 437; *asellus* Mongolia, *japonellus* Tokio, p. 438, **spp. n.** FRIESE D. ent. Zs. **1924**; *B.*, instincts pp. 1–72 figs., VERLAINE Mém. Acad. R. Belgique Classe Sci. **8** no. 2.—See *Bremus.*

Bremus ephippiatus **var. n.** *variegatus* Panama; *robustus* **varr. n.** *curiosus* Ecuador p. 139, *gaigei* Colombia p. 141; *atratus* **varr. n.** *annulatus* p. 142, *alternans*; *niger* **var. n.** *signatus* p. 143 Brazil; *rohweri* **sp. n.** Venezuela p. 144, *opifex* ♂ further described p. 147 figs., FRISON Trans. Amer. Ent. Soc. **51.**—See *Bombus.*

Callanthidium **gen. n.** for *Anthidium illustre* Cresson p. 365, *formosum* **subsp. n.** *pratense* California p. 366, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Calliopsis pugionis **sp. n.** California p. 197, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Ceratina vernoniae **sp. n.** Paraguay p. 211, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.—*C. mcgregori* **sp. n.** Manila p. 54, COCKERELL Phil. J. Sci. **26.**

Chalicodoma muraria mouth-parts p. 176 figs., BUGNION Bull. Soc. zool. Paris **50.**

Chelostoma australis see *Chelostomopsis.*

Chelostomopsis **gen. n.** type *Chelynia rubifloris* Ckll. p. 205; *australis* **subsp. n.** *nanus* California p. 206, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Chelynia melanotricha **sp. n.** Colorado p. 626, COCKERELL Ann. Mag. N. H. (9) **16.**—*C. franciscana* p. 207, *chlorocyanea*, *leucotricha* p. 208, *fragariella*, *holocyanea* p. 209, *nitidula*, *subglauca* p. 210, **spp. n.** California, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**—*C. rubifloris* see *Chelostomopsis.*

Coelioxys rufitarsis **subsp. n.** *claripes*; *mediata* California p. 146, *salinaria* Utah p. 148, *asclepiadis* Arizona p. 149, *hypodonta* California p. 150, **spp. n.**, COCKERELL Pan-Pacific Ent. **1.**—*C. proxima* Asia Minor, *popovici* Rumania p. 31, *orientalis* Mongolia, *indica* N. India p. 32, *aegypticola* Egypt, *mongolica* Mongolia p. 33 **spp. n.**; *rufescens* **varr. n.** *turkestanica* Turkestan, *turanica* Mongolia, *gigantea* Alsace p. 34; *chilensis* Friese a var. of *pergandei* Schlett. p. 34, FRIESE Konowia **4.**—*C. quaerens* **var. n.** *erythronotos* p. 191; *holmberg* [*i*] (with **f. n.** *minor* p. 191) p. 190, *tabayensis* p. 195 Argentina, *paranensis*, *mententomes* p. 196 Paraguay, **spp. n.**, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.—*C.*, key p. 746, *dubitata* **var. n.** *melanopoda* Connecticut p. 747, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Colletes key p. 521, *claripes* p. 523, *latefasciatus*, *breviceps* p. 524, *cinctellus*, *cinereus* p. 525, *opaciventris*, *opacus* p. 526, *opacigenalis*, *transvaalensis* p. 527, *obscurus*, *zuluënsis*, *ruficollis* p. 528, *parafodiens* p. 529, **spp. n.** S. Africa, FRIESE Zool. Jahrb. Abt. Syst. **49.**—*C. slevini* **sp. n.** California p. 185, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**—*C. anchusae* **sp. n.** Poland p. 122 figs., NOSKIEWICZ Kosmos **49** 1924.—*C. susannae* p. 1, *howardi* p. 5, **spp. n.** U.S.A., SWENK Amer. Mus. Novit. no. **186.**

Crinoglossa **gen. n.**, *natalensis* **sp. n.** Rhodesia p. 502 fig., FRIESE Zool. Jahrb. Abt. Syst. **49.**

Crocisa plurinotata **sp. n.** Turkestan p. 29; *affinis* **var. n.** *minor*; *ramosa* **var. n.** *mucorea* Asia Minor; *truncata* **var. n.** *niveicollis* Egypt p. 30, FRIESE Konowia **4.**

Delomegachile **subgen. n.** see *Megachile.*

Diadasia nigrifrons **var. n.** *epileuca* California p. 203, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Dianthidium singulare **subsp. n.** *melanognathum* p. 363, *parvum* **r. n.** *baculifrons* p. 365, California, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**—*D. itapuense* **n. n.** for *zebratum* Schrottky

p. 210, *anisitsi* (= *Anthidium olympinum* Strand) p. 211, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Emphor bombiformis habits pp. 278–282, ROBERTSON Psyche **32**.

Epeolus lectiformis **sp. n.** Colorado p. 623, COCKERELL Ann. Mag. N. H. (9) **16**.—*E. variegatus* **var. n.** *rossicus* Russia p. 30; *bicinctus* Argentina, *niveiventris* Baños Cauquenes p. 35, *paraensis* Brazil p. 36, **spp. n.**, FRIESE Konowia **4**.—*E. fulviventris* **sp. n.** Zululand p. 503, FRIESE Zool. Jahrb. Abt. Syst. **49**.

Eriades scutellatus **sp. n.** Rhodesia p. 505 (with **var. n.** *globiventris* S. Africa p. 506), FRIESE Zool. Jahrb. Abt. Syst. **49**.

Eucera melanoscopa p. 21, *funerea* p. 23, *incerta* p. 24, **spp. n.** Cyrenaica, GRIBODO Boll. Mus. Zool. Torino **39** N.S. no. 16 1924.—*E. melanoscopa* **sp. n.** Cyrenaica p. 248, GRIBODO Atti Soc. ital. Sci. nat. **63** 1924.

Exomalopsis (*Anthophorula*) *chionura* **sp. n.** California p. 203, COCKERELL Proc. Cal. Acad. Sci. (4) **14**.

Halictoides holocyaneus Oregon p. 199, *spilurus* California p. 200, **spp. n.**, COCKERELL t.c.

Halictus amanicus **n. n.** for *andrenoides* Blüt. nec Friese p. 86; *praesertus* **n. n.** for *proximus* Blüt. nec Spin. p. 88; *carbonatus* **n. n.** for *carbonarius* Blüt. nec Sm.; *pseudomaculatus* p. 92, *posthumus* p. 93, *furcatus* p. 94, *maidli* p. 95, *kussariensis* p. 96, *tschakarensis* p. 102, *dernaensis* p. 106, *inexspectatus* p. 119, *betomarius* p. 122, *tuberculatus* p. 123, *talyschensis* p. 129 Caucasus, Transcaucasus, Turkestan, *pekingensis*, *pseudovestitus* p. 126, *centesimus* p. 127, *pseudannulipes* p. 128 China, *mergensis* p. 130 Cyrenaica, **spp. n.**, BLÜTHGEN Arch. Natg. **90** A 10.—*H. pavonotus* p. 188, *aspilurus* p. 190, **spp. n.**, California, COCKERELL Proc. Cal. Acad. Sci. (4) **14**.—*H.* keys pp. 4, 7, *moltrechti* p. 2, *kraloffi* p. 3, *solovieffi* p. 4, *lutzenkoi*, *wittenbourgi* p. 5, *shishkini* p. 6, *emelianoffi* p. 7, *transpositus*, *tutihensis* p. 8, *suprafulgens*, *sulcatulus* p. 9, *perplexans* p. 10 (with **var. n.** *speculinus*), *brachycephalus*, *trichorhinus* p. 11, **spp. n.** Siberia, COCKERELL Proc. U. S. Nat. Mus. **68** art. 6.—*H. dernaensis* p. 36, *mergensis* p. 37, **spp. n.** Cyrenaica, GRIBODO Boll. Mus. Zool. Torino **39** N. S. no. 16 1924. — *H.* (*Coryneura*) *atrovirens*, *analis* **spp. n.** Chile p. 43, HERBST Rev. chil. Hist. nat. **28** 1924.—*H. malachurus* biology pp. 620–684, LEGEWIE Zs. Morph. Oekol. Tiere **3**.—*H. podolicus* **sp. n.** Poland p. 144, NOSKIEWICZ Polsk. Pismo ent. **3**.

†*Heriades mildredae* **sp. n.** Miocene, Colorado p. 420, COCKERELL Ann. Mag. N. H. (9) **16**.—*H. binghami* **n. n.** for *parvula* Bingh. nec Cam. p. 230, DOVER Ann. Mag. N. H. (9) **15**.

Hesperapis pellucidus **sp. n.** California p. 198, COCKERELL Proc. Cal. Acad. Sci. (4) **14**.

Hortobombus hortorum **varr. n.** *submarginatus*, *marginatus*, *nigrescens*, *lutulentus* Petrograd prov. p. 44, SKORIKOV Faunae Petrop. Catal. **2** no. 11 1922.

Hylaeus giffardiellus **sp. n.** California p. 186, COCKERELL Proc. Cal. Acad. Sci. (4) **14**.—*H. hudsoni* **sp. n.** New Zealand p. 552, COCKERELL Ann. Mag. N. H. (9) **15**.

Lapidariobombus lapidarius **varr. n.** *nigerrimus*, *nigricans*, *federolfae* Petrograd province p. 39, SKORIKOV Faunae Petropol. Catal. **2** no. 11 1922.

Leiopodus bifasciatus **sp. n.** Argentina p. 215, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Macrocera festae p. 25, *ghigii* p. 27, **spp. n.** Cyrenaica, GRIBODO Boll. Mus. Zool. Torino **39** N.S. no 16 1924.

Megachile key to and biological notes on Dutch spp. pp. 172–178 fig., BOUWMAN Levende Natuur **29**.—*M. labascens* **sp. n.** Philippines p. 491, COCKERELL Ann. Mag. N. H. (9) **15**.—*M. orthostoma* p. 416, *obrepta* p. 418, **spp. n.** Philippines, COCKERELL op. cit. **16**.—*M. lagopoda* **subsp. n.** *seitziana* Pyrenees p. 159, COCKERELL Entomologist **58**.—*M. vandykei* **sp. n.** California p. 205, COCKERELL Proc. Cal. Acad. Sci. (4) **14**.—†*M. amaguensis* **sp. n.** Siberia p. 7 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.—*M. edwardsiana* p. 506, *edentata*, *fuliginosa* p. 507, *luticeps*, *diversiventris* p. 508, **spp. n.** S. Africa, FRIESE Zool. Jahrb. Abt. Syst. **49**.—*M. ghigii* **sp. n.** Cyrenaica p. 249, GRIBODO Atti Soc. ital. Sci. nat. **63** 1924.—*M.*, notes on British, p. 197 PERKINS Entomologist **58**.—*M. willughbiella* **var. n.** *hibernica*; *versicolor* **var. n.**

hiberniae Ireland; *lapponica* a British sp., p. 95, key to British spp. p. 96, PERKINS Ent. Mo. Mag. **61.**—*M.*, notes on and key to Brazilian spp. pp. 134–223, *nudiventris* **subsp. n.** *atahaulpa* Peru p. 156; *iheringi* Brazil p. 157, *guayaqui* p. 171, *andromorpha* p. 174, *levimarginata* p. 175 Paraguay, *limae* Brazil p. 176, *arechavaletae* Uruguay p. 177, *stenodesma* Paraguay p. 182, *separata* p. 185 Brazil, Paraguay, Uruguay, Argentina, *bicegoi* p. 186, *tuberculifera* p. 188, *luederwaldti* p. 189, *pseudopleuralis* p. 190, *trigonaspis* p. 191, *inquirenda* p. 192, *ypiranguensis* p. 194 Brazil, *parsonsiae* Argentina, Paraguay p. 197, *xanthoptera* Paraguay p. 198, *manaosensis* p. 201, *tupinaquina* p. 202 Brazil, *vernoniae* Paraguay p. 203, *jundiana* Brazil, *chamacoco* Paraguay p. 204, *sancti-pauli* Brazil, *melochiae* Paraguay, Argentina p. 205, *helicitarsus* p. 206, *bernardina* p. 209, *framea* p. 211, *botucatuna* p. 212 Brazil, *orba* Paraguay, *capra* Brazil p. 214, *paranensis* Paraguay p. 215, *giraffa* Paraguay, *lamnula* p. 218, *minuscula* p. 219 Brazil, Paraguay, *thygaterella* Paraguay p. 220, **spp. n.** fig., SCHROTTKY Rev. Mus. Paul. **9** 1914.—*M. tenuitarsis* Brazil p. 201, *riojana* Argentina p. 203, *pseudocoelioxys* Brazil p. 204, *parkinsoniae* p. 206, *subinfima* p. 209 Argentina, **spp. n.**; *pulchra* **subsp. n.** *cachoeirensis* Brazil p. 207, SCHROTTKY op. cit. **12** 1920 Pt. II.—*M.* key p. 742, *Delomegachile* **subgen. n.** p. 745, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Melecta armata **var. n.** *gigantea* Alsace p. 27; *luctuosa* **varr. n.** *crassicornis* Mediterranean, *ebusana* Balearic Is., *minima* Algeria; *caesareae* Palestine p. 28, *octomaculata* Asia Minor p. 29 **spp. n.**, FRIESE Konowia **4.**—*M. armata* larval stage pp. 305–306, SEMICHON Bull. Soc. ent. Fr. **1925.**

Melipona fulvipes **subsp. n.** *triplaridis* Panama p. 421, COCKERELL Ann. Mag. N. H. (9) **16.**—*M.* (= *Trigona*) distribution, description, nests, synonymy, Brazilian spp. pp. 335–448; *subterranea* **subsp. n.** *aequinoctialis*, *mattogrossensis* Brazil p. 423 figs., DUCKE Zool. Jahrb. Abt. Syst. **49.**

Melissodes habilis **sp. n.** p. 229, *obliqua* **var. n.** *expurgata*; *confusiformis* **subsp. n.** *incondita* p. 230; *hortivagans* **subsp. n.** *melanotica*; *semiagilis* **subsp. n.** *perlusa*; *pallidicincta* **subsp. n.** *erythrina* p. 231 Colorado, COCKERELL Ann. Mag. N. H. (9) **16.**

Melitta flavipes **sp. n.** S. Africa p. 506, FRIESE Zool. Jahrb. Abt. Syst. **49.**

Mesoplia simillima **sp. n.** Paraguay p. 220, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Mesotrichia philippinensis **subsp. n.** *samarensis* p. 173, *canaria* **sp. n.** p. 174 Philippines, COCKERELL & LEVEQUE Phil. J. Sci. **27.**

Neochelynia **gen. n.** (near *Chelynia*) p. 188, *paulista* **sp. n.** Brazil p. 189, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Nomada moeschleri Alfk., a good sp. not a var. of *bifida* p. 126, ALFKEN D. ent. Zs. **1925.**—*M. peninsularis* **sp. n.** California p. 180, COCKERELL Pan-Pacific Ent. **1.**—*N. costaricensis* **sp. n.** Costa Rica p. 219, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Nomia melanderi **subsp. n.** *paysoni* Colorado p. 621, COCKERELL Ann. Mag. N. H. (9) **16.**—*N. mimosae* **sp. n.** Philippines p. 170, COCKERELL & LEVEQUE Phil. J. Sci. **27.**

Nomioides maura Morocco p. 14, *pulcherrima* Transcaspia p. 15, *incerta* p. 22, *dubia* p. 42 India, *pusilla* Turkestan p. 25, *halictoides* p. 27, *capensis* p. 44 S. Africa, *conjungens* Transcaucasus p. 45 (with **var. n.** *basalis* Aschabad), *splendida* S.W. Persia p. 47, *hedickei* Mindanao p. 66, *socotrana* Socotra p. 84 **spp. n.**, key p. 90, *minutissima* **varr. n.** *obscurata*, *violascens* Central Europe, *versicolor* Mallorca p. 9, *schencki* no locality p. 10, *deserticola* Egypt p. 11; *turanica* **varr. n.** *maculosa* Persia, *nubica* Algeria p. 20; *rotundiceps* **var. n.** *viridana* Egypt p. 31; *facilis* **varr. n.** *dusmeti* p. 35, *bipunctata* p. 37 Madrid; *variegata* **varr. n.** *simplex* Tripoli p. 51, *albopicta* Tanganyika p. 53, *lüderitzi* cosmopolitan, *unifasciata* no locality p. 54; *somalica* **var. n.** *fulviventris* Cape Colony p. 83; *karachensis* **var. n.** *desertorum* Algeria p. 88, BLÜTHGEN Stett. ent. Ztg. **86.**—*N. valdezi* **subsp. n.** *samarensis* Philippines p. 493, COCKERELL Ann. Mag. N. H. (9) **15.**

Odyneropsis columbiana **sp. n.** Colombia p. 218, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Oreopasites vanduzeei **sp. n.** California p. 202, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Osmia key p. 184, list of Belgian spp. p. 191, CRÈVECOEUR Bull. Ann. Soc. ent. Belg. **65.**—*O.*, *Rubus*-inhabiting spp. of Germany pp. 177–210 figs., ENSLIN D. ent. Zs. **1925.**—*O. unispinosa, dolichocephala* **spp. n.** S. Africa p. 505, FRIESE Zool. Jahrb. Abt. Syst. **49.**—*O. mitis* nests pp. 199–200 fig., MANEVAL Bull. Soc. ent. Fr. **1925.** — *O.* list and keys of Canadian spp. pp. 33–41 and 60–65, *sladeni* Br. Columbia p. 43, *theta* Alberta p. 34, **spp. n.**, SANDHOUSE Can. Ent. **57.**

Panurginus argentinus **sp. n.** Argentina p. 223, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Paracolletes monticola, hudsoni **spp. n.** New Zealand p. 551, COCKERELL Ann. Mag. N. H. (9) **15.**

Pasiphae fasciata p. 224, *basirufa* p. 226, **spp. n.** Argentina, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Perdita eriogoni **sp. n.** Colorado p. 621, COCKERELL Ann. Mag. N. H. (9) **16.**—*P. pyrifera* **sp. n.** p. 192; *exclamans* **subsp. n.** *imperialis*; *cleomellae* p. 193, *timberlakei* p. 194, **spp. n.** California, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Polyglossa key 514, *luteipennis, flavipes* p. 516, *erubescens, braunsiana* p. 517, *thoracica, rufofasciata* p. 518, **spp. n.** S. Africa, FRIESE Zool. Jahrb. Abt. Syst. **49.**

Pratobombus hymnorum **var. n.** *kolosovi* Ural p. 255, POPOV Rev. russe Ent. **18** 1924.—*P. jonellus* **varr. n.** *aquilonarius, suomianus, vogulicus, assejanus* N. Russia p. 48, SKORIKOV Faunae Petrop. Catal. **2** no. 11 1922.

Proanthidium oblongatum **subsp. n.** *xanthurum* Pyrenees p. 158, COCKERELL Entomologist **58.**

Prosopis umbilicalis Mentawei, *abrupta* Sumatra, **spp. n.** p. 372, ALFKEN Ent. Mitt. **14.**—*P. meridionalis, variegata* described and compared p. 85, ALFKEN D. ent. Zs. **1925.**

Psaenythia, revision, keys, *emilia* p. 282, *wagneriana* p. 283, *hubrichiana* p. 284, *anthidioides* p. 285, *magnifica* p. 287, *corduvensis* p. 288, *recdi* p. 289, *modesta* p. 290, *frieseana* p. 291, *hesperidum* p. 302, *hortulana* p. 303, *urbana* p. 304, *verbenae* p. 307, *hubrichi* p. 308, *jujuyensis* p. 309, *elegans* p. 310, *boliviana* p. 312, *horticola, tucumana* p. 313, *portennia* p. 314, *detecta* p. 315, *patagonica* p. 316, *demissa* p. 317, *improvida* p. 318, *personata* p. 325, *rosarina* p. 326, *santiaguina* p. 327, *ateles* p. 328, *cockerelli* p. 329, *scutellaris* p. 336, *gomezi* p. 337, *litoralis* p. 339, *vicina* p. 340, *viatrix, penningtoni* p. 341, *salpichroae* p. 342 (with **varr. n.** *incongrua, separata* p. 343), *scalae* p. 344, *manusuyani* p. 345, *monstruosa, doeringi* p. 350, **spp. n.** Argentina, HOLMBERG An. Mus. nac. H. n. Buenos Aires **31** 1923.

Pseudagapostemon santafecinus **sp. n.** Argentina p. 222, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Psithyrus mysticus **sp. n.** Honduras p. 138 figs., FRISON Trans. Amer. Ent. Soc. **51.**—*P.*, general notes p. 268, *wheeleri* **sp. n.** p. 265 U.S.A. figs., BEQUAERT & PLATH Bull. Mus. Comp. Zool. Cambridge, Mass. **67.**

Rhathymus scoliaeformis p. 216 Colombia, *bertonii* p. 217, *paraguayensis* p. 218 Paraguay, **spp. n.**, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Rhinochaetula femorata **sp. n.** Bushmanland p. 504, FRIESE Zool. Jahrb. Abt. Syst. **49.**

Soroënsibombus soroënsis **abb. n.** *ivanovi, tetrachromus, quadricoloratus* p. 34, *crupeliellus, nigror, subnigror* Petrograd prov., *pravei* Kuban prov. p. 37, SKORIKOV Faunae Petropol. Catal. **2** no. 11 1922.

Sphecodes dusmeti p. 470, *pseudocrassus* p. 472, *pseudofasciatus* p. 473 N. Spain, *luzonicus* Luzon p. 492, *bischoffi* Burma p. 494, *dutti* p. 506, *fulvicornis* p. 508 India, *persicus* S.W. Persia p. 509, *setiger* p. 515, *simlaensis* p. 514, *matheranensis* p. 512 India **spp. n.**, *pellucidus* **var. n.** *hybrida* E. China p. 516, *binghami* **n. n.** for *apicatus* Bingh. p. 497, BLÜTHGEN D. ent. Zs. **1924.**—*S. sibuyanensis* **sp. n.** Philippines p. 491, COCKERELL Ann. Mag. N. H. (9) **15.**—*S.*, key p. 531, *natalensis, minor* p. 532, *rhodesiae, tuckeri, kigonserana, luteiventris* p. 533, **spp. n.** S. and E. Africa, FRIESE Zool. Jahrb. Abt. Syst. **49.**—*S. monilicornis* biology p. 443, LEGEWIE Zs. Morph. Oekol. Tiere **4.** — *S.*, synonymical notes; *olivieri* **var. n.**

niveatus Biskra p. 4; *pellucidus* **var. n.** *niveipennis* China; *lactipennis* Cyrenaica p. 7, *arequipae*, *peruensis*, *vachali* Peru p. 9, *sauteri*, *candidius* Formosa p. 10, *distinctus* Annam, *biroi* Singapore, *bischoffi* Buitenzorg, *amboinensis* Amboina p. 11, **spp. n.**, MEYER Arch. Natg. **90** A 12.

Spinoliella euphorbiae **sp. n.** California p. 179, COCKERELL Pan-Pacific Ent. **1.**—*S. triangulifera* p. 195, *equina* p. 196, **spp. n.** California, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Stelis callura Utah p. 212, *fremonti* California p. 213, **spp. n.**, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**—*S. signata* **var. n.** *flavescens* Greece p. 36, *argentina* Argentine, *magna* p. 37, *iheringi* p. 38 Brazil, *bonaventura* Argentina, *flava* Colombia p. 39, *siamensis* Siam, *kigonserana* E. Africa p. 40, **spp. n.**, FRIESE Konowia **4.**

Subterraneobombus distinguendus **varr. n.** *eurynotus*, *laesoides* Petrograd prov. p. 40, SKORIKOV Faunae Petropol. Catal. **2** no. 11 1922.

Systropha planides p. 21, *curvicornis* p. 24, nesting habits, MALYSHEV Rev. russe Ent. **19.**

Temnosoma key, *fulvipes* p. 535, *malachisis* p. 536, **spp. n.** S. Brazil, FRIESE Zool. Jahrb. Abt. Syst. **49.**

Terrestribombus lucorum a good species p. 41; *audax* **varr. n.** *pseudosporadicus*, *tenuifasciatus* Petrograd prov. p. 42, SKORIKOV Faunae Petrop. Catal. **2** no. 11 1922.

Tetralonia krishna, *pitalomasa* p. 227, *pitarakha* p. 228, **spp. n.** India, DOVER Ann. Mag. N. H. (9) **15.**—*T. pagosana* **sp. n.** Colorado p. 228, COCKERELL Ann. Mag. N. H. (9) **16.**

Tetraloniella excurrens **var. n.** *melanaspis* Colorado p. 228, COCKERELL t.c.

Tetrapedia pernigra **sp. n.** Paraguay p. 212, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Trachusa serratulae **var. n.** *seitzi* Pyrenees p. 158, COCKERELL Entomologist **58.**

Triepeolus fazi **sp. n.** Chile p. 493, COCKERELL Ann. Mag. N. H. (9) **15.**—*T. loganensis*, *sandhousae* p. 624, *lusor* p. 625, **spp. n.** Colorado, COCKERELL op. cit. **16.**—*T. pacis* **sp. n.** Lower California p. 201, COCKERELL Proc. Cal. Acad. Sci. (4) **14.**

Trigona spp. (Africa) as producers of beeswax pp. 283–305, MORSTATT Arb. biol. Anst. Berlin **10** 1920.—*T. dapitanensis* **sp. n.** Philippines p. 492, COCKERELL Ann. Mag. N. H. (9) **15.**—*T. silvestriana* **subsp. n.** *rohwerae* p. 626; *cupira* **subsp. n.** *nigrior* p. 627 Trinidad, COCKERELL op. cit. **16.**

Xylocopa, key to some Oriental p. 374, ALFKEN Ent. Mitt. **14.**—*X. violacea* mouth-parts p. 189 figs., BUGNION Bull. Soc. zool. Paris **50.**—*X. fuliginata* **var. n.** *indecisa* Philippines p. 172, COCKERELL & LEVEQUE Phil. J. Sci. **27.**—*X.* hibernation, S. Africa p. xcvi, DOVER Trans. Ent. Soc. Lond. **1924** 1925.—*X. karnyi* p. 78, *pseudocoronata* p. 80, **spp. n.** New Guinea figs., MAIDL Nova Guinea **15** 1924.—*X.*, relations with *Hyperechia* p. xiii figs., POULTON Trans. Ent. Soc. Lond. **1925.**

Sphecoidea.

List of Dutch Sphegidae, BOUWMAN Levende Natuur **30** pp. 137–143.

Records of Alberta Sphecoidea, CARTER Can. Ent. **57** pp. 131–136.

Habits of Finnish Sphegids, GRÖNBLOM Not. ent. **5** pp. 1–9.

A synopsis of the Sphecoidea of Nebraska, MICKEL Nebraska Univ. Studies **17** 1918 pp. 342–456 figs.

Revision of Sphecoidea of Connecticut with various keys, ROHWER Conn. N. H. Surv. Bull. **22** 1916 pp. 645–697 figs.

SPHEGIDAE.

Ammophila suspiciosa biology Victoria p. 107, CHANDLER Vict. Nat. **42.**—*A. sabulosa* biology France p. 109, CHEVALIER Bull. Soc. Étude Sci. nat. Elbeuf **42** (1923) 1924; also Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.

Ammoplanus rhodesianus **sp. n.** S. Africa p. 41 figs., ARNOLD Ann. Transvaal Mus. **11** 1924.

Astata key p. 36, *tropicalis* p. 31, *stevensoni* p. 32, *gracilicornis* p. 33 **spp. n.**, *flavo-undata* **var. n.** *quadrisignata* p. 36 S. Africa figs., ARNOLD t.c.

Atelosphex miscophoides ♂ described, *lugubris* **sp. n.** S. Africa p. 72 figs. ARNOLD t.c.

Crabro pratus p. 133, *veles* p. 134, *albertus* p. 135, **spp. n.** Alberta, CARTER Can. Ent. **57.**—*C.* (*Entomognathus*) *brevis*, morphology pp. 69–78 figs., GRANDI Redia **16.**—*C.* (*Rhopalum*) *simalurensis* **sp. n.** Simalur I. (Sumatra) p. 391 fig., MAIDL Ent. Mitt. **14.**—*C. peltarius* gynandromorph p. 74 fig., MÜLLER Mitt. Ent. Ges. Halle a. S. **11** 1917.—*C. leucostomus* prey p. 257, SAUNT Ent. Mo. Mag., London **61.**—*C. cetratus, nigritus* nesting-habits and prey p. 156, SCOTT Ent. Mo. Mag. **61.**

Exeirus lateritus biology, Australia p. 243 fig., MUSGRAVE Austr. Mus. Mag., Sydney **2.**

Gorytes maroccanus **sp. n.** Morocco p. 246, DUSMET Y ALONSO Eos **1.**

Hoplisus corrugis **sp. n.** Nebraska p. 319, MICKEL Nebraska Univ. Studies **17** 1918.—*H. costatus* biology p. 107, ♂ described p. 109, REINHARD J. Wash. Acad. Sci. **15.**

Kohliella stevensoni **sp. n.** p. 42, *alaris* ♀ described p. 43 S. Rhodesia, ARNOLD Ann. Transvaal Mus. **11** 1924.

Larropsis yatesi, rubens **spp. n.** Nebraska p. 329, MICKEL Nebraska Univ. Studies **17** 1918.

Liris haemorrhoidalis ♂ described p. 71, ALFKEN Mitt. münchn. ent. Ges. **15.**

Lophocrabro **subgen. n.** see *Solenius.*

Mellinus arvensis biology p. 60, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.

Miscophoides formosus **sp. n.** S. Africa p. 29 fig., ARNOLD Ann. Transvaal Mus. **11** 1924.

Miscophus verecundus, bellulus p. 27, *crispus* p. 28, **spp. n.** S. Africa fig., ARNOLD t.c.

Nitela maxima **sp. n.** Sumatra p. 389 fig., MAIDL Ent. Mitt. **14.**

Notoglossa albomaculata **sp. n.** Nebraska p. 320, MICKEL Nebraska Univ. Studies **17** 1918.

Notogonia pompiliformis biology pp. 43–44, BERLAND Ann. Soc. ent. Fr. **94.**—*N. bradleyi* p. 382, *caeruleipennis* p. 383, *crassicornis* p. 384, *iridipennis* p. 385, *obtusedentata* p. 387, spp. n. Sumatra fig., MAIDL Ent. Mitt. **14.**

Nysson hoplisivora biology p. 172, REINHARD J. Wash. Acad. Sci. **15.**

Ococletes key p. 325, *hirticulus* Colorado p. 326, *illustris* p. 327, *ventralis* p. 328 California, **spp. n.**, MICKEL Nebraska Univ. Studies **17** 1918.

Oxybelus pectorosus p. 321, *delicatus* p. 322, *unicus* Nebraska, *mottensis* N. Dakota p. 323, **spp. n.**, MICKEL t.c.—*O.* (*Belomicroides*) *santschii* **sp. n.** Tunisia p. 187, v. SCHULTHESS Konowia **4.**

Passalaecus turionum biology p. 22, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.—*P. sumatrensis* **sp. n.** Sumatra p. 379 fig., MAIDL Ent. Mitt. **14.**

Pelopaeus clypeatus nidification in Belgian Congo pp. 197–237 figs., VERLAINE Ann. Soc. ent. Belg. **64** 1924.

Pemphredon lugubris bionomics p. 69, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **6.**

Piagetia nigra **sp. n.** Sumatra p. 388 fig., MAIDL Ent. Mitt. **14.**

Pison key p. 2, *allonymum* **r. n.** *karrooensis* S. Africa p. 3, ARNOLD Ann. Transvaal Mus. **11** 1924.

Prionony x semistriatus **sp. n.** Paraguay p. 185, SCHROTTKY Rev. Mus. Paul. **12** 1920 Pt. II.

Psammophila arenaria biology p. 101, CHEVALIER Bull. Soc. Étude Sci. nat. Elbeuf **42** (1923) 1924; also Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.—*P. hirsuta* gregarious instinct pp. 89–95, GRANDI Natura **16.**

Psen silvaticus p. 38, *patellatus* p. 39, **spp. n.** S. Africa figs., ARNOLD Ann. Transvaal Mus. **11** 1924.—*P. atratus* bionomics p. 41, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **6.**

Saliostethoides **gen. n.** *saltator* **sp. n.** S. Africa p. 30 fig., ARNOLD Ann. Transvaal Mus. **11** 1924.

Sceliphron formosum **var. n.** *koreanum* Korea p. 329, UCHIDA Insect World **29.**

Solenius seamansi **sp. n.** Alberta p. 135, CARTER Can. Ent. **57.**—*S. conspiciendus* **sp. n.** California p. 324, MICKEL Nebraska Univ. Studies **17** 1918.—*S.*, keys p. 664, *Lophocrabro* **subgen. n.** p. 667, ROHWER Conn. N. H. Surv. Bull. **22** 1916.

Sphex albisectus biology pp. 45–51, BERLAND Ann. Soc. ent. Fr. **94.**—*S. cyrenaica* **sp. n.** Cyrenaica p. 263,

GRIBODO Atti Soc. ital. Sci. nat. **63** 1924.—*S. maxillosus, flavipennis* biology pp. 24–26, PICARD Bull. Soc. ent. Fr. **1925**.—*S.*, notes on N. African spp. (with key p. 367) pp. 365–404, *chobauti* **sp. n.** N. Africa p. 388, ROTH Ann. Soc. ent. Fr. **94**.

Spilomena stevensoni **sp. n.** Rhodesia p. 40 fig., ARNOLD Ann. Transvaal Mus. **11** 1924.—*S. jacobsoni* **sp. n.** Sumatra p. 376 fig., MAIDL Ent. Mitt. **14**.

Stigmus rugosifrons ♂ described Rhodesia p. 41, ARNOLD Ann. Transvaal Mus. **11** 1924.—*S. major* **sp. n.** Sumatra p. 377 fig., MAIDL Ent. Mitt. **14**.—*S. reticulatus* **sp. n.** California p. 330, MICKEL Nebraska Univ. Studies **17** 1918.

Tachysphex key p. 44, *saevus, saturnus* p. 52, *limatus, hermia* p. 53 (with **var. n.** *angustus* p. 54), *tridentatus* p. 55, *aterrimus* p. 56, *argentifrons, laticeps* p. 58, *hippolyta* p. 59, *modestus* p. 61, *octodentatus* p. 62, *unguiculatus* p. 63, *stevensoni* p. 64, *punctiventris* p. 65, *egregius* p. 66, *consanguineus, fulgidus* p. 67, *subfimbriatus* p. 69 **spp. n.**, *diabolicus* **varr. n.** *analis, claripes, trifasciatus* p. 51; *ambiguus* **var. n.** *congoensis*; *crassipes* **var. n.** *claripennis* p. 53; *titania* **var. n.** *willowmorensis* p. 55; *braunsi* **var. n.** *debilis* p. 64; *turneri* **var. n.** *transvaalensis* p. 66; *schönlandi* **varr. n.** *luctuosus, detritus* p. 69; *panzeri* **varr. n.** *miniatulus* p. 70, *nanus*; *depilosellus* **var. n.** *fallax* p. 71; *sericeus* **st. n.** *kalaharicus* p. 72 S. Africa figs., ARNOLD Ann. Transvaal Mus. **11** 1924.—*T. nitidus* p. 73, *pectinipes* p. 74. biology, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.

Trypoxylon cataractae p. 13, *algoensis* p. 15, *stevensoni* p. 17, *testaceipes* p. 18, *patrueli*s, *punctatissimum* p. 20, *cognatum* p. 21, *braunsi* p. 22, *kohli, tristis, abditum* p. 24, **spp. n.** S. Africa figs., ARNOLD Ann. Transvaal Mus. **11** 1924.—*T. arizonense* ♂ described p. 329, MICKEL Nebraska Univ. Studies **17** 1918.

PHILANTHIDAE.

Philanthus revision S. African spp. p. 137, *promontorii* p. 147, *natalensis, oraniensis* p. 152, *turneri* p. 155, *melanderi* p. 156, *tenellus* p. 158, *namaqua* p. 159, *laticeps* p. 160 **spp. n.**; *loefflingi* **var. n.** *meneliki* p. 150; *dichrous* **r. dolosus** **var. n.** *abyssinicus* p. 162; *stygius* **r. n.** *atronitens* p. 163; *bucephalus* **r. n.** *rotundicollis* p. 174 Africa figs., ARNOLD Ann. Transvaal Mus. **11** 1924.

AMPULICIDAE.

Ampulex assimilis life-history pp. 30–54, HINGSTON Nature at the desert's edge 1925.

CERCERIDAE.

Cerceris dacica, iberica p. 52, *quadrimaculata* p. 53 notes on, *aurita* Latr. (= *ferreri* van der Linden) p. 52, BERLAND Ann. Soc. ent. Fr. **94**.—*C. quinquefasciata* biology p. 77, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.—*C. alceste* p. 333, *alacris* p. 334, *fugatrix* p. 335 Nebraska, *varians* p. 336, *munda* p. 337, *pudorosa* p. 338, *minax* p. 339, *complanata* p. 340 California, **spp. n.**, MICKEL Nebraska Univ. Studies **17** 1918.

BEMBICIDAE.

Bembex comata nesting habits pp. 189–195, PARKER Proc. Ent. Soc. Wash. **27**.—*B. rostrata* biology pp. 14–27, HEMMINGSEN & NIELSEN Ent. Medd. **16**.

Stictiella corniculata **sp. n.** Wyoming p. 332, MICKEL Nebraska Univ. Studies **17** 1918.

Stizus strenuus **sp. n.** Nebraska p. 331, MICKEL t.c.

Vespoidea.

Indian Diplopterous wasps, synonymy, descriptions, figs., DOVER J. Asiat. Soc. Bengal N.S. **20** pp. 289–305.

Revision of Vespoidea of Connecticut with various keys, ROHWER Conn. N. H. Surv. Bull. **22** 1916 pp. 606–644 figs.

BETHYLIDAE (including DRYINIDAE).

Revision of Bethylidae and Dryinidae of Connecticut with keys, BRUES Conn. N. H. Surv. Bull. **22** 1916 pp. 608–616.

Notes on Finnish Bethylids and Dryinids, HELLÉN Medd. Soc. Faun. Fl. Fenn. **45** 1920 pp. 278–290.

Anteon key p. 281 (*Chelogynus*) *fennicus* **sp. n.** Finland p. 285, HELLÉN Medd. Soc. Faun. Fl. Fenn. **45** 1920.—*A. zernyi* **sp. n.** Dalmatia p. 105, FAHRINGER Ann. Nat. Hist. Mus. Wien **38**.—*A. jucundus* p. 122, *sekerae* p. 123, **spp. n.** Czechoslovakia figs., OGLOBLIN Sbornik ent. odd. Narod. Mus. Praze **2** (17) 1924.

Arysepyris citripes **sp. n.** Lord Howe I. p. 185, Dodd Trans. R. Soc. S. Australia **48** 1924.

Chelogynus angusticollis p. 125, *rufoniger* **spp. n.**; *albidicollis* **varr. n.** *incertus*, *abdominalis* p. 126, Czechoslovakia figs., Ogloblin Sbornik ent. odd. Narod. Mus. Praze **2** (17) 1924.

Dicondylus multidens p. 118, *terrestris* p. 120, **spp. n.** Czechoslovakia figs., Ogloblin t.c.

Gonatopus decretorius **sp. n.** Germany p. 46 fig., Haupt Mitt. Ent. Ges. Halle a. S. **10** 1916.—*G. sociabilis* **var. n.** *ignotus*; *pastoralis* **sp. n.** Czechoslovakia p. 121 figs., Ogloblin Sbornik ent. odd. Narod. Mus. Praze **2** (17) 1924.

Loboscelidia nigricornis, rufa **spp. n.** Philippines p. 517, Fouts Phil. J. Sci. **26.**

Mystrocnemis embiidarum **sp. n.** Ceylon p. 236, Kieffer Ent. Mitt. **14.**

Prenanteon filicornis **sp. n.** Czechoslovakia p. 127 figs., Ogloblin Sbornik ent. odd. Narod. Mus. Praze **2** (17) 1924.

Pseudisobrachium roubali **sp. n.** Czechoslovakia p. 111 figs., Menozzi Časopis **21.**—*P. flaviventre* p. 77, *mrázi* p. 79, *distinguendum* p. 80, **spp. n.** San Paulo figs., Ogloblin Časopis **21.**

Rohweria **gen. n.** (near *Mesitius*) p. 515, *metallica* **sp. n.** Philippines p. 516 figs., Fouts Phil. J. Sci. **26.**

Sclerodermus norfolcensis **sp. n.** Norfolk I. p. 184, Dodd Trans. R. Soc. S. Australia **48** 1924.

Scoliidae.

Elis assumptiones **n. n.** for *Plesia paraguayensis* Turner; *papyriferae* **sp. n.** (with **f. n.** *pauperata* p. 181) Paraguay p. 179, Schrottky Rev. Mus. Paul. **12** 1920 Pt. II.

Plesia paraguayensis see *Elis assumptiones.*

Pterombrus, notes, synonymy and key to spp. pp. 107–122, *iheringi* **sp. n.** Brazil p. 117 figs., Ducke Rev. Mus. Paul. **9** 1914.

Scolia bidens, flavifrons mouth-parts p. 171 figs., Bugnion Bull. Soc. zool. Paris **50.**

Tiphia key to French spp. p. 289, *lepeletieri* **n. n.** for *ruficornis* Lep. nec Klug p. 293, Berland Faune de France **10.**

Sapygidae.

Sapyga 5-punctata **var. n.** *arvernica* France p. 12, Pic Échange [**40**] **41.**

Mutillidae.

Catalogue of Mutillidae of Petrograd province, Barovsky Faunae Petropol. Catal. **2** no. 9 1921 pp. 1–6.

Bionomics and taxonomy of S. Indian Mutillidae, Ramakrishna Ayyar Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 278–279 figs.

Antennotilla **gen. n.** for *Mutilla phoebe* Pér. p. 710, Bischoff Arch. Natg. **86** A 1–5 1920.

Apterogyna glabra p. 36, *gestroi* E. Africa, *obscura* N.E. Rhodesia p. 37, *nyasana* L. Nyasa, *kilimandjarica* E. Africa p. 38, *nitida* Egypt, *geyri, algirica* Algeria p. 42, *alluaudi* B. E. A. p. 43, *andréi* S. Africa p. 44, **spp. n.**, Bischoff t.c.

Apterotilla **gen. n.** type *bambata* Pér. Africa p. 93, Bischoff t.c.

Areotilla **gen. n.** p. 174, *areolata* **sp. n.** Transvaal p. 175, Bischoff t.c.

Aureotilla **gen. n.** type *madegassa* Sauss. p. 314, with **subsp. n.** *hebraea* Madagascar p. 315, Bischoff t.c.

Bisulcotilla **gen. n.** p. 679, *quadrisulcata* **sp. n.** E. Africa p. 680, Bischoff t.c.

Brachymutilla namana, peringueyi p. 141, *scabrosa, quadraticollis*, p. 142, **spp. n.** S. Africa, Bischoff t.c.

Cephalotilla **gen. n.** p. 509, *constricta* p. 510, *bouvieri* p. 512, *kamogana, katonai* p. 513, *pronotalis* p. 514, **spp. n.** Africa, Bischoff t.c.

Ceratotilla **gen. n.** *obtusa* p. 533, *tergacantha* p. 534, *shiratiana* p. 535 **spp. n.**; *dolosa* **subspp. n.** *bisinterrupta, septemmaculata* p. 533 Africa, Bischoff t.c.

Chrysotilla **gen. n.** p. 312, *ochraceipes* p. 313, *antongilana* p. 314, **spp. n.** Africa, Bischoff t.c.

Ctenotilla **gen. n.** p. 535, *braunsi* p. 539, *thoracica, lobifrons* p. 540, *kigonserana* p. 542, *crassiceps, kameruna* p.

543, *tangana*, *silverlocki* p. 544, *katangana* p. 545, *minuta*, *minutaeformis* p. 546, *ochraecipes* p. 547, *tessmanni*, *kilimana*, *tchaniana* p. 549, *bonina*, *diacantha* p. 550, *chrysophora* p. 551 **spp. n.**; *fornasini* **subsp. n.** *junodi* p. 539; *subargumae* **f. n.** *nigripleuralis* p. 541; *dichromatica* **f. n.** *nigriceps* p. 542 Africa, BISCHOFF t.c.

Dasylabris togoana p. 629, *namaquana* p. 630, *neavei* (with **subspp. n.** *thoracica*, *permaculata* p. 633, *semiaurata* p. 634), *mocsaryi* p. 635, *mauraeformis*, *mauroides*, *kameruna* p. 636, *alluaudi* p. 637, *filum* p. 638, *wabonina*, *dora* p. 639, *mephitidoides*, *mephitidiformis*, *verticalis* p. 645, *tanganyikana* p. 646, *bulawayoensis* p. 650, *unipunctata* p. 652, *voeltzkowi* p. 654, *sikorai* (with **f. n.** *rubescens*), *rubripilosa*, *argenteirubra* p. 655, *acidaliaeformis*, *braunsi* p. 662, *charica* p. 663, *magrettii* p. 667, *salisburyana* p. 668, *schoutedeni*, *sepulchralis* p. 669, *microcephala* p. 670 **spp. n.**; *deckeni* **subspp. n.** *divisa* p. 627, *argenticeps*, *chrysomalla*; *merope* **f. n.** *argyria* p. 630; *stimulatrix* **ff. n.** *interrupta*, *difficilis* p. 632; *maura* **subsp. n.** *erlangeri* p. 635; *inflata* **subspp. n.** *tangana*, *angularis* p. 641, *nigrithoracica*, *confluens*, *minor*, *macularis*, *nudata* p. 642, *subcarinata* p. 643; *desponsa* **n. n.** for *rubroaurea* André p. 657; *nyctimene* **subsp. n.** *grisea*, **f. n.** *nigrita* p. 659; *mephitis* **subsp. n.** *major* p. 661 Africa, BISCHOFF t.c.

Dasylabroides simillima, *kalaharica* p. 118, *natalensis* p. 119, *metatarsalis* p. 125, *alluaudi* p. 133, *rubromediata* p. 135 **spp. n.**; *caffra* **ff. n.** *nigriceps*, *verticalis*, *ruberata* p. 120, **subspp. n.** *fulvithoracica*, *quinquecincta* p. 121; *latona* **subspp. n.** *analis*, *luangwana* p. 131, *schultzei*, *ruficeps*, *orientalis* p. 132, *kalonga* p. 133; *idia* **f. n.** *neaveiformis* p. 134 Africa, BISCHOFF t.c.

Dolichomutilla simillima, *fallaciosa* p. 328, *bequaerti* p. 329, *minor* (with **subspp. n.** *minor*, *nigrithoracica* p. 330, *media*, *methneri*), *macularis* p. 331 **spp. n.**; *scutellifera* **f. n.** *primigenia* p. 320; *guineensis* **subsp. n.** *nigra* p. 323 (with **f. n.** *fasciata* p. 324), subsp. *sycorax* **f. n.** *aurata* p. 326 Africa, BISCHOFF t.c.

Ephutomma pallipes p. 149, *semirubra* p. 153 (with **subsp. n.** *gabesiana*) **spp. n.**; *continua* **subspp. n.** *aegyptiaca* *ferruginata* p. 151, *geyri* p. 152, *quinquedentata* **subsp. n.** *mesopotamica*; p. 153 Africa, BISCHOFF t.c.

Glossotilla **gen. n.** *nigricolor*, *allatoensis* p. 462, *tanfikiana*, *mogadiscioanica* p. 463, *congoensis*, *meridionalis*, *rukuruensis* p. 464, *rhodesiaca*, *nyassana*, *cassinensis* p. 465, *jankisiana*, *ngouriensis* p. 466, *ignorata* p. 468, *tricoloriformis* (with **subsp. n.** *pseudotricolor*) p. 469, *permeans* p. 470 (with **subsp. n.** *victoriae* p. 471), *uelleana*, *stilpnopyga* p. 472, *gorongozana*, *kenyana* p. 473, *liopyga* (with **subspp. n.** *lampropyga*, *zinderana*) p. 474, *loloana*, *casignete* p. 475 (with **subsp. n.** *gandana*), *rukuruana*, *liotela* p. 476, *kamboveana*, *xanthopus* p. 477, *pulchella* p. 478, *semicirculata* p. 479, *pretiosa* p. 481, *voiensis*, *subrufa* p. 483, *adustaeformis*, *dilataticornis* p. 484, *anomalicornis*, *cassinensis* p. 485, *kibomboana*, *matoppoana* p. 486, *globithorax*, *kasongoensis*, *bimaculigera* p. 487, *leonina* p. 488, *congoensis*, *jokelensis* p. 489, *shiratiensis*, *wabonina* p. 490, *gorongozensis*, *nyangwensis* p. 491, *chartumica*, *nyassicola* p. 492 **spp. n.**; *suavis* **subspp. n.** *djiboutiensis*, *abessinica* p. 467; *luctifera* **subsp. n.** *phaeopus* p. 470; *adelpha* **subspp. n.** *mashonensis* p. 475, *fülleborni* p. 483; *aurodecorata* **subspp. n.** *bogosana*, *supernumeraria* p. 478; *argenteopicta* **subspp. n.** *magnifica*, *venustulaeformis*, *politana* p. 480; *alberti* **subsp. n.** *prolongata* p. 493; *obesa* **subsp. n.** *uellensis* p. 494, Africa, BISCHOFF t.c.

Hadrotilla **gen. n.** type *helle* Pér. Cape Colony p. 243, BISCHOFF t.c.

Labidomilla bimaculigera E. Africa p. 63, *edentata*, *neavei* Nyasaland p. 66, *bilobata* Congo, *coriacea* Rhodesia p. 67, *tricuspidoides* E. Africa, *convergens* Rhodesia p. 68, *semirubra* E. Africa p. 69 **spp. n.**; BISCHOFF t.c.

Liotilla **gen. n.** *laevis* **sp. n.** Cape Colony p. 76, BISCHOFF t.c.

Lobotilla **gen. n.** *taborana* p. 337, *trefurthi* p. 341 **spp. n.**; *leucopyga* **subspp. n.** *binghami* p. 339, *clarior*, *brunneopilosa* p. 340, *griseola*, *obscurata* p. 341 Africa, BISCHOFF t.c.

Lophotilla **gen. n.** p. 303, *aspila* p. 307, *kakumgana*, *planiceps* p. 308, *comparanda* p. 309, *praeclara* p. 311, **spp. n.** Africa, BISCHOFF t.c.

Mimecomutilla granulipygidialis p. 499 (with **f. n.** *rugosipygidialis*), *djibutina* p. 500 (with **subsp. n.** *rubriceps*), *infamium* p. 501, *aurinigra* p. 502, *clypeariformis* p. 504, *bitaeniata* p. 505, *entebbensis* p. 507, *nyassicola* p. 508, **spp. n.**; *renominanda* **n. n.** for *purpurata* Pér. p. 501; *arcuaticeps* **subsp. n.** *colpocephala* p. 502; *trichionota* **subsp. n.** *cretacea* p. 505 Africa, BISCHOFF t.c.

Mutilla transiens p. 222, *radamaeformis* p. 224, *cylindrica*, *notomelaena*, *nairobiana* p. 230, *bonina* p. 233, *grandiceps* p. 235, *mashonana* p. 238, *wesmaeli* p. 239, *coerulea* p. 240, *brunnea*, *brunnescens*, *anomalicornis* p. 242 **spp. n.**; *scabrofoveolata* **subspp. n.** *kalaharica*, *pythia*, *melanotica* p. 216, *atrata* p. 217, *bitriangulifera*, *delagoicola*, *clytemnestraeformis* p. 219; *mniszechi* **subsp. n.** *senegalensis* p. 222; *diselena* **subspp. n.** *germanica* p. 226, *obscurior* p. 227, *nigrithorax* p. 228; *astarte* **subsp. n.** *orientalis* p. 231 Africa, BISCHOFF t.c.—*M. phoebe* see *Antennotilla*.

Myrmilla feminaeformis, *inalata* **spp. n.** Transvaal p. 59, BISCHOFF t.c.—*M. lucasi* see *Myrmotilla*.

Myrmotilla **gen. n.** for *Myrmilla lucasi* Sich. Rad. p. 84, BISCHOFF t.c.

Nanomutilla pygmaea p. 87, *lissopyga* p. 88, *gynandra* p. 89, *alata* S. Africa, *tessmanni* Spanish Guinea p. 90, *manula* S.W. Africa p. 89, *arnoldi* Rhodesia p. 88 **spp. n.**. BISCHOFF t.c.

Odontomutilla crassithorax, *spinigera* p. 253, *rhodesiaca*, *laticollis* p. 258, *togoana* p. 263, *ponderosa* p. 264, *somalica* p. 265, *ovataeformis* p. 266, *fulvopilosa*, *usambarica* p. 274, *tangana* p. 275, *rufithoracica* p. 276, *chionella* p. 282, *delagoensis* p. 285, *natalensis*, *chirindana* p. 286, *marshalli* (with **subspp. n.** *rubescens*, *immaculata*) p. 287 **spp. n.**; *fracta* **subspp. n.** *unifasciata* p. 257, *ocularis* p. 258; *calida* **subspp. n.** *ugandana*, *occidentalis*, *orientalis* p. 261, *kotakotana*, *kameruna* p. 262; *disparimaculata* **subsp. n.** *loangwana* p. 263; *zimrada* **subspp. n.** ♀ ♀ *maxima*, *kenyana* p. 267; *notata* **subspp. n.** ♀ ♀ *bifasciata* p. 269, *nigrita* p. 270, *quadrimaculata*, *umtalina* p. 271; *mocquerysi* **f. n.** *bizonata* p. 275; *zimrada* **subsp. n.** ♂ *maxima* p. 280; *notata* **subspp. n.** ♂ ♂ *tisiphonella*, *kalaharica* p. 282; *compta* **subsp. n.** *atrata* p. 284; *tellini* **subsp. n.** *tessmanni* p. 285 Africa, BISCHOFF t.c.

Odontotilla **gen. n.** p. 70, *bidentata* **subspp. n.** *chrysozona*, *katonai*, *braunsi* p. 72, *erlangeri* p. 73; *conjuncta* **f. n.** *eritreana* p. 74 E. Africa, BISCHOFF t.c.

Pristomutilla chrysocoma p. 522, *chrysothrix*, *clarior* p. 523, *heptaspila*, *ctenothoracica* (with **f. n.** *rufithoracica*), *harrarensis* p. 524, *ctenophora*, *dorsidentata*, *aculeifera*, *congoana* p. 525 (with **subsp. n.** *ertli*), *misana*, *curtispinosa* p. 526, *kenyana*, *kikuyana*, *acanthoterga* p. 527, *ctenoterga*, *acanthophora* p. 528, *semipolita* (with **subsp. n.** *lembana*), *diacantha* p. 529 **spp. n.**; *pectinata* **subsp. n.** *kibweziana* p. 522 Africa, BISCHOFF t.c.

Promecilla **gen. n.** p. 715, *simulans*, *unicingulata* p. 716, *dolichonota*, *auritriangulata* p. 717, *kiboschoana* p. 718, **spp. n.** Africa, BISCHOFF t.c.

Psammotherma flabellata **ff. n.** *scutellaris*, *prothoracalis*, **subsp. n.** *transvaalensis* p. 713 S. Africa, BISCHOFF t.c.

Pseudocephalotilla **gen. n.** p. 514, *beirana* p. 515, *strangulata* p. 516, *piliscapa* p. 517 (with **subsp. n.** *pakasana* p. 518), **spp. n.** Africa, BISCHOFF t.c.

Pseudophotopsis similis p. 96, *binghami* p. 97, *fumata* **spp. n.**; *kokpetica* **subspp. n.** *maura*, *rufothoracica* p. 98; *kassalina* **f. n.** *semiaurata* p. 99 Africa, BISCHOFF t.c.

Pycnotilla **gen. n.** p. 182, *penetrata* **subspp. n.** *wabonina*, *clarior* p. 188, *verticifera* p. 189, *meridio-occidentalis*, *clausi* p. 190; *andromeda* **subspp. n.** *ertli* p. 192, *puescheli*, *melanotica*, *kikuyana* p. 193, *kondowensis*; *angonina* (with **subspp. n.** *lualabana*, *incerta* p. 194), *katangana*, *bequaerti* p. 195, *immaculata* p. 197, *nyikana* p. 198, *idoneaeformis*, *idoneaemorpha* p. 201 **spp. n.**; *pygidialis* **subsp. n.** *schroederi*; *metella* **f. n.** *salisburiensis* p. 204; *vassei* p. 205, *basidens* p. 206, *brachyptera* p. 208, **spp. n.** Africa, BISCHOFF t.c.

Rhopalomutilla carinaticeps p. 180, *conifera* (with **f. n.** *basalis*) p. 181 **spp. n.**; *clavicornis* **subsp. n.** *mlanjeana* p. 180 E. Africa, BISCHOFF t.c.

Smicromyrme tettensiella p. 571, *congoana* p. 572, *verticalis* p. 573, *mocsaryi* (with **subsp. n.** *rufipleuralis*) p. 575, *indeterminanda*, *willowmorensis* p. 576, *difficilis*, *dolichothoracica*, *staurospila* p. 577, *kalaharica* p. 578, *maidli* p. 579, *raptrix*, *longigena* p. 582, *nigrilaterali-*

p. 583, *pruinosa* p. 584, *kitompoana* p. 585, *samburuana*, *naivashana* p. 586, *ferruginata*, *tetraspila* p. 587, *albicalcarata* p. 591, *bequaerti*, *chlorochrysa* p. 592, *mlanjensis* (with **f. n.** *rubricans*) p. 593, *ukambana*, *semiviolacea* p. 594, *semiflava*, *chrysothoracica* p. 600, *cinereifrons*, *indifferens*, *montanaeformis* p. 603, *pallidula*, *scioana*, *septaratica* p. 605, *asmarensis* p. 606, *bimaculigera* p. 609, *praeclara*, *bukamensis* p. 610, *harrarica* p. 611, *leucozonaria*, *tegularis* p. 612, *mufungwana*, *natalica*, *rufisquamulata* p. 613, *nigrisquamulata*, *brunneipennis*, *dasylabriformis* p. 614, *galeata*, *calyptrata* p. 615, **spp. n.**; *tettensis* **subspp. n.** *mlanjeana* p. 568, *goetzei*, *brunni*, *quintociliata* p. 569 (with **f. n.** *punctifera*), *melanothoracica* p. 570, *sterlingi*, *cretacea*, *zinderana* p. 571; *enippe* **subsp. n.** *permacularis* p. 580; *tyro* **subspp. n.** *cretaceifasciata*, *mlanjicola* p. 590; *albistyla* **subsp. n.** *tibialis* p. 596; *rufopicta* **subspp. n.** *lüberti*, *kalahariensis*, *unicingulata* p. 598, *nigeriaca* p. 599; *mitana* **subsp. n.** *damarana* p. 606 Africa, BISCHOFF t.c.

Spinulotilla **gen. n.** p. 160, *braunsi* p. 163, *pseudopygidialis*, *spinosa*, *kifaruana* p. 164, *annulicornis*, *maculicornis* p. 168, *tanganyikana* p. 170, *dokana* p. 171, *quadrituberculata* p. 172, *frater*, *transversiceps* p. 173, **spp. n.** Africa, BISCHOFF t.c.

Squamulotilla **gen. n.** p. 80, *cerinipes* Uganda p. 81, *acanthogastra* W. Africa p. 82, *denticollis* Kamerun p. 83, *jankisiensis* Jankisia p. 84, **spp. n.**, BISCHOFF t.c.

Stenomutilla jeanneli p. 686, *rufipes* p. 687, *kohli*, *congoana*, *nigrita* p. 688, *mangocheana*, *curtithorax*, *schulthessi* p. 689, *togoana* p. 690, *leucopyga*, *analis* p. 691, *albicaudata*, *pygidialis*, *denudata*, p. 692, *diacantha* p. 693, *bispina*, *difficilis* p. 694, *singularis* p. 695 (with **subsp. n.** *ugandana* p. 696), *atra* p. 703, *braunsi*, *carinulata* p. 704, *mlandjiana* *bicincta* p. 705, *bicingulata*, *nyasana*, p. 706, *koedoesana* p. 707 **spp. n.**; *capicola* **subsp. n.** *annulari* sp. 700 Africa, BISCHOFF t.c.

Sulcotilla **gen. n.** type *sulcata* Magr. p. 555, BISCHOFF t.c.

Tricholabioides testacea p. 104, *semistriataeformis* p. 106, *stigmatica*, *nodosa* p. 107, *andréi* p. 108, *carinifera* p. 109 **spp. n.**; *semistriata* **subspp. n.** *pedunculatoides*, *denticrus* p. 105; *semele* **subsp. n.** *pallidior* p. 107 Africa, BISCHOFF t.c.

Trispilotilla **gen. n.** p. 291, *taborana* p. 299, *monteiroae* (with **subspp. n.** *tuberculifera*, *charaxiformis*) p. 301, *demaculata* p. 303 **spp. n.**; *trimacula* **subspp. n.** *guessfeldti* p. 293, *melanocephala* p. 294, *asmarana* p. 295, *aurantiaca* p. 300; *acheron* **f. n.** *canescens* p. 297 Africa, BISCHOFF t.c.

Trogaspidia mangocheana, *erlangeri* (with **subsp. n.** *lindiensis*) p. 365, *rhodesiaca*, *luangwae*, *bravana* p. 366, *dispilotaemorpha*, *harrarensis* p. 367, *convergens*, *somalica* p. 368, *kalumbana*, *chariensis* p. 369, *nyasensis* p. 370, *panganina*, *rikatlana*, *delagoana* p. 371, *ugagana*, *manicana* p. 372, *güssfeldti*, *mverana* p. 373, *chikawana*, *luangwensis*, *castaneipilosa*, *moschiana* p. 374, *kipochiana* (with **subsp. n.** *rukuruensis*), *bolamensis* p. 375, *ignoranda*, *cassineana* (with **f. n.** *feai*), *conradti* p. 376, *lilongweana*, *bugalana* (with **f. n.** ♂ *propodealis*, **subspp. n.** ♂ *claripennis* p. 431, *brunneipennis*, *kibomboana*, *niveitegulata*, *propodealiformis* p. 432), *baumanni*, *carinifera* p. 377, *keteana*, *unduligera*, *ndjolensis*, *sansibarensis* p. 378, *caffraria*, *mlanjensis*, *kamboveana* p. 379, *bangweolensis*, *sampweana*, *luangwicola*, *angoniensis* p. 380, *momberana*, *mufungwana*, *benguelana*, *salisburyensis* p. 381, *shilouvanensis*, *shilouvanica*, *bolamanica* p. 382, *jankisiana*, *tosquineti*, *dunguana* p. 383, *bismarckburgensis*, *brazzavillensis*, *sankuruana* p. 384, *puguana*, *sokodeana*, *dakarana*, *aurata* p. 385 (with **subspp. n.** ♂ *kiogana* p. 425, *variipennis* p. 426), *graueri* p. 388, *nyassana*, *lufirana*, *confusa* p. 389, *gorongozana*, *buziana*, *reimeri* p. 390, *methneri*, *mpalana*, *sennarensis* p. 391, *buruana*, *tenuistriata*, *rugulifera* p. 392, *miniaticeps* p. 393, *mombasana*, *wabonica*, *samburuana*, *kifaruana* p. 394, *benadirica*, *ogadenica*, *trigonophora* p. 395 (with **subsp. n.** *pleuromelaena*), *richteri*, *rufibasalis* p. 396, *tuberculata*, *mombasensis*, *syntoma*, *amauroterga* p. 397, *nigritorquata*, *difficillima* p. 398, *ghindana*, *hyperspilota* p. 399, *pycnothoracica*, *hyberythra*, *kavirondoana* p. 400, *serenjeana*, *lacustris*, *intraorbitalis* p. 401, *posselana*, *burukruana* p. 402, *cyparissaeformis* p. 406, *zanacaeformis* p. 408, ♀ **spp. n.**; *melaena* (with **f. n.** *rufata*) p. 409, *pungueana* p. 415, *nilotica*, *aurea*

(with **f. n.** *nigristyla*) p. 416, *suakinensis* p. 418, *kachiobweana, mufungwensis* p. 419, *mlanjensis, mlanjica* p. 420, *gallana, garuensis* p. 421, *bifossulata, nigeriana, tanganjica* p. 422 (with **subsp. n.** *jankisiaca*), *garuana* p. 423, *aurataeformis* p. 424, *trigonotoma, pulcherrima* p. 426, *chrysocoma* p. 427, *auricoma* p. 428, *unifossulata, conradsi, ferrum-equinum* p. 433, *caniceps* (with **f. n.** *melanostyla*, **subsp. n.** *nigeriae*) p. 435, *edwardi* p. 436, *odontostoma, odontolabris* p. 437, *dentilabris, glossilabris* p. 438, *leucoma* (with **f. n.** *brunnescens*), *taitana* p. 439, *ligulifera, quadrifasciata* p. 440, *albilateralis, fernandvazensis* p. 441, *agama* p. 422, *fallax, nyasaca, mikindanica, salisburyica* p. 447, *sulcicauda, pycnothoracica* p. 449, *nasifera* p. 451, *tuberculifera* p. 452, *intraorbitalis* p. 453, ♂ **spp. n.**; *unguiculata* **subspp. n.** *pyrrhospilota, kassalana* p. 405; *alecto* **subspp. n.** *leucotricha, bohemani* p. 411, *misana, pamana, rufisquamulata, bequaerti* p. 412; *truncativentris* **subspp. n.** *derewana, canescens* p. 414; *medon* subsp. *aestuans* **f. n.** *confluens* p. 445, **subspp. n.** *uremana, clarior, albitegulata, pallescens* p. 446; *divisa* **f. n.** *moslemita* p. 449, **subsp. n.** *miniaticeps*, **f. n.** *binghami* p. 450; *catanensis* **subsp. n.** *ehrenbergi* p. 388 Africa, Bischoff t.c.

Tropidotilla **gen. n.** p. 155, *carinulifera* Sudan p. 158, *sunguensis* Mozambique p. 159, **spp. n.**, Bischoff t.c.

Viereckia bassutana, transversinotata **spp. n.** S. Africa p. 554, Bischoff t.c.

Thynnidae.

Agriomyia vagans **sp. n.** Galapagos Is. p. 83, F. Smith Proc. Zool. Soc. **1877.**

Ariphron bicolor **var. n.** *propodealis* N.S.W. p. 415, Rohwer Phil. J. Sci. **26.**

Elaphroptera werneri **sp. n.** Paraguay p. 182, Schrottky Rev. Mus. Paul. **12** 1920 Pt. II.

Lophocheilus ruficeps **sp. n.** N.S.W. p. 415 fig., Rohwer Phil. J. Sci. **26.**

Pseudelaphroptera tricolor ♀ redescribed p. 34, Brèthes Rev. chil. Hist. nat. **29.**

Thynnus bakeri **sp. n.** Philippines p. 418 figs., Rohwer Phil. J. Sci. **26.**

Zaspilothynnus cyaneiventris **sp. n.** New Guinea p. 416 figs., Rohwer *t.c.*

Psammocharidae (Pompilidae).

Ageniella obscura, nigribasis, rufothorax p. 331, *isolata* p. 332, **spp. n.** Panama, Banks Bull. Mus. Comp. Zool. **67.**

Calicurgus see *Cryptochilus.*

Cryptochilus 6-punctatus F. (=*Calicurgus scurra* Lep.), *affinis* v.d.L. (= *Calicurgus apricus* Lep.), *versicolor* Scop. (= *Calicurgus binotatus* Lep.), *bicolor* F. (= *Salius major* Marq.) p. 378, Berland Ann. Soc. ent. Fr. **93** 1924.—*C. rubellus* habits, Iraq pp. 80–99, Hingston Nature at the desert's edge, 1925.

Episyron capiticrassus Ferton (= *Pompilus brachycerus* Ferton) pp. 44–45 figs., Berland Bull. Soc. ent. Fr. **1925.**

Ferreola thoracica biology pp. 39–42, Berland Ann. Soc. ent. Fr. **94.**

Pedinaspis redescription of Tournier's types p. 215, Montet Rev. suisse Zool. **32.**

Planiceps innotatus **sp. n.** Panama p. 337, Banks Bull. Mus. Comp. Zool. **67.**

Pompilus sulcithorax **sp. n.** Cyrenaica p. 50, Gribodo Boll. Mus. Zool. Torino **39** N.S. no. 16 1924.—*P. viaticus* variability of instinct pp. 251–259, Verlaine Bull. & Ann. Soc. ent. Belg. **65.**—*P. brachycerus* see *Episyron capiticrassus.*

Priocnemis propinquus Lep. (= *pogonioides* Costa) p. 378, Berland Ann. Soc. ent. Fr. **93** 1924.—*P. variabilis* **var. n.** *caskana* Macedonia p. 45, Strand Zs. österr. Ent.-Ver. **4** 1919.—*P. barbouri* p. 333, *fairchildi, wheeleri* p. 334, *doddsi, parkeri, molinoi* p. 335, *zeteki* p. 336, **spp. n.** Panama, Banks Bull. Mus. Comp. Zool. **67.**

Psammochares melas p. 57, *rutilus* p. 101 habits, Hingston Nature at the desert's edge 1925.

Pseudagenia esmerelda p. 329, *anconis, iolanthe* p. 330, **spp. n.** Panama, Banks Bull. Mus. Comp. Zool. **67.**

Salius bidens see *Wesmaelinius sanguinolentus.*—*S. major* see *Cryptochilus bicolor.*

Wesmaelinius sanguinolentus F. (= *Salius bidens* Lep.) p. 378, Berland Ann. Soc. ent. Fr. **93** 1924.

EUMENIDAE.

Alastor, keys to subgenn. and to Palaearctic and Ethiopian spp. pp. 57–65, *stevensoni* p. 203, *arnoldi* p. 204 Rhodesia, (*Antalastor*) *moricei* p. 198, (*A.*) *elisaei* p. 201 Palestine, *turneri* Cape Colony p. 310, **spp. n.** figs., v. SCHULTHESS Konowia **4.**

Ancistrocerus in N. America pp. 57–117, partial key p. 67, (*Parancistrocerus* **subgen. n.**, type *Odynerus fulvipes* Sauss. p. 64), *navajo* **sp. n.** Arizona p. 92, *parietum* further description p. 99, BEQUAERT Trans. Amer. Ent. Soc. **51.**

Astalor **gen. n.** (near *Alastor*) p. 207, *maidli* **sp. n.** Caffraria p. 208 fig., v. SCHULTHESS Konowia **4.**

Calligaster distinct from *Zethus* p. 290, DOVER J. Asiat. Soc. Bengal N.S. **20.**—*C. turneri* see *Discoelius.*

Discoelius zonalis, biology pp. 180–182, HAVERHORST Levende Natuur **29.** —*D.*, *Calligaster turneri* transferred to, p. 291, DOVER J. Asiat. Soc. Bengal N.S. **20.**

Eumenes synonymy of Indian p. 291, *pomiformis* **varr. n.** *relata* Tenasserim, *kangrae* Punjab ; *comberi* **sp. n.** Karachi p. 293 figs., *Katamenes* transferred to, p. 294, DOVER J. Asiat. Soc. Bengal N.S. **20.**—*E. dyscherus* Sauss., Neotropical not African p. 134, synonymy p. 135, *campaniformis* var. *pseudodyscherus* **n. n.** for *caffer* var. *dyscherus* Beq. p. 138, BEQUAERT Bull. Brooklyn Ent. Soc. **20.**

Katamenes see *Eumenes.*

Nortonia bertonii, *alegrensis* **spp. n.** Paraguay p. 71, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Odynerus (*Ancistrocerus*) *alluaudi* p. 243, (*Hoplopus*) *fertoni* p. 245, **spp. n.** Morocco, DUSMET Y ALONSO Eos **1.**—*O. bengasinus* p. 254, *dernesis* p. 255, *ghigii* p. 257, *sulcigaster* p. 259, **spp. n.** Cyrenaica, GRIBODO Atti Soc. ital. Sci. nat. Milano **63** 1924.—*O.* (*Leionotus*) *libyphoenicus* p. 41, (*L.* ?) *festae* p. 43, **spp. n.** Cyrenaica, GRIBODO Boll. Mus. Zool. Torino **39** N.S. no. 16 1924.—*O.*, synonymy of Indian spp. p. 297, *hina* p. 299, *sculpturatus* p. 300, **spp. n.** N. India, DOVER J. Asiat. Soc. Bengal N.S. **20.**—*O. fulvipes* Sauss. see *Ancistrocerus.*—*O.* (*Hypodynerus*) *tapiensis* see *Pachymenes andeus.*

Pachymenes andeus Pack. (= *Odynerus tapiensis* Sauss.) p. 138, BEQUAERT Bull. Brooklyn Ent. Soc. **20.**

Paralastor semirufus p. 257, *petiolatus* p. 258, *clypeopunctatus* p. 261, **spp. n.**, Australia, v. SCHULTHESS Konowia **4.**

Parancistrocerus **subgen. n.** see *Ancistrocerus.*

Pterocheilus cyrenaicus **sp. n.** Cyrenaica p. 260, GRIBODO Atti Soc. ital. Sci. nat. Milano **63** 1924.—*P. chevrieranus* biology & systematics pp. 175–180, AHRENS Rev. russe Ent. **18** 1924.

Zethus, *Calligaster* distinct from, p. 290, DOVER J. Asiat. Soc. Bengal N.S. **20.**

MASARIDAE.

Celonites nursei **sp. n.** Quetta p. 289 fig., DOVER J. Asiat. Soc. Bengal N.S. **20.**—*C. michaelseni* **sp. n.** p. 137, key p. 138, *abbreviatus* **var. n.** *engadinensis* p. 139 S.W. Africa, WERNER Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Masaris longicornis Kuzn. transferred from *Saryara* and re-described p. 150, *smirnovi* **sp. n.** Turkestan p. 152 fig., KOSTYLEV Ent. Mitt. **14.**

Saryara **gen. n.** type *octoannulata*, *longicornis* **spp. n.** Turkestan p. 127, KUZNETZOV Izvest. Turkestansk. Otdela Russkogo geografich. O-va **16** 1923.—*S. longicornis* see *Masaris.*

VESPIDAE.

Classification and synonymy of Social Wasps of Brazil, DUCKE Rev. Mus. Paul. **10** 1918 pp. 314–374.

Dolichovespula **subgen. n.** see *Vespula.*

Mischocyttarus injucundus **subsp. n.** *bertonii* Paraguay p. 370, DUCKE Rev. Mus. Paul. **10** 1918.

Parachartergus, characters pp. 226–228, von IHERING Rev. Mus. Paul. **9** 1914.

Polistes synonymy of Indian spp. p. 302, DOVER J. Asiat. Soc. Bengal N.S. **20.**—*P.*, nests, p. 81 figs., SAVIN Nat. Hist. **25.**

Vespa revision of Russian spp. p. 89, *suprunenkoi* **sp. n.** Sakhalin I. p. 92 ; *crabro* **subspp .n.** *vulgata* Siberia, *meridionalis* Transcaucasia p. 100, *chinensis* China p. 101, BIRULA Arch. Natg. **90** A

12.—*V. crabro* mouth-parts p. 17 figs., BUGNION Riviera scient. **12.** — *V. minuta* **sp. n.** Tenasserim p. 304 fig., DOVER J. Asiat. Soc. Bengal N.S. **20.**—*V. saxonica* **var. n.** *arctica* Arctic Siberia p. 1, FRIESE Mém. Acad. Sci. Russie **28** no. 15 1919.—*V. saxonica* spinning glands of larvae p. 715 figs., LOZINSKI Bull. intern. Acad. polon. Sci. B **1924** 1925.—*V.* nests p. 99 figs., PARFENT'EV Biol. Mitt. 1923.—*V. cincta* life-history pp. 261–262 figs., RAMAKRISHNA AYYAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*V.*, nests p. 81 figs., SAVIN Nat. Hist. **25.**—*V.*, instincts pp. 1–72 figs., VERLAINE Mém. Acad. R. Belgique Classe Sci. **8** no. 2.—*V. vulgaris, germanica* biology pp. 315–349, VERLAINE Bull. & Ann. Soc. ent. Belg. **65.**

Vespula key, (*Dolichovespula* **subgen. n.**) *arctica* **n. n.** for *borealis* Lewis nec Kirby p. 642, ROHWER Conn. N. H. Surv. Bull. **22** 1916.

Chrysidoidea.

Revision of the Chrysidoidea of Connecticut with keys, VIERECK Conn. N. H. Surv. Bull. **22** 1916 pp. 602–605.

CHRYSIDIDAE.

Classification and synonymy of Chrysididae of Brazil, DUCKE Cat. Fauna brazileira **4** 1913 pp. 1–31.

Notes on some Cleptidae and Chrysididae, FORSIUS Medd. Soc. Fauna et Fl. Fenn. **48** (1921–1922) 1925 pp. 182–186.

Ethology of early stages of Chrysididae, MARÉCHAL Bull. & Ann. Soc. ent. Belg. **65** pp. 27–33.

Chrysis mathani **n. n.** for *mutica* Ducke nec Foerster p. 30, DUCKE Cat. Fauna brazileira **4** 1913.

Cleptes mutilloides **subsp. n.** *minor* Brazil; *aurora* var. *dubuyssoni* **n. n.** for *buyssoni* Ducke nec Semenov p. 29; *aurora* **subsp. n.** *robustior* Brazil p. 30, DUCKE t.c.

Hedychridium ardens Coq. (= *integrum* Thoms.) p. 209, HELLÉN Medd. Soc. Faun. Fl. Fenn. **45** 1920.

Holopyga changes in classification in "Catalogo das Chrysididas do Brasil" pp. 228–229, DUCKE Rev. Mus. Paul. **9** 1914.—*H. curvata* Först. (= *metallica* Dahlb.) p. 208, HELLEN Medd. Soc. Faun. Fl. Fenn. **45** 1920.

Formicoidea.

FORMICIDAE.

Classification of categories lower than spp. among ants, ALPATOV Rev. zool. russe **4** 1–2 1924 pp. 226–244.

McCook's ant mounds in Pennsylvania revisited, ANDREWS Ent. News **36** pp. 173–179.

Mandibles of ants as ligatures for wounds, BLAND-SUTTON Br. Med. J. **1925** p. 823 fig.

Notes on the biology of ants of the Congo, BEQUAERT Rev. zool. afr. **13** pp. 133–149.

Ant life, BRUN 211 pp. 60 figs., Leipzig, 1924.

A study of the war between ants and termites, BUGNION Psyche London, no. **22** pp. 6–41 figs.

Biology of Formicidae of Victoria, CLARK Vict. Nat. **42** pp. 58–59, 135–144.

Orientation in ants, CORNETZ Bull. Soc. Hist. nat. Afr. N. **16** pp. 132–145, 4 figs.

Catalogue of European spp. of Formicidae in the Musée d'Elbeuf, COULON Bull. Soc. Étude Sci. nat. Elbeuf **42** (1923) 1924 pp. 121–134.

Catalogue of Formicinae of the World, EMERY Gen. Ins. fasc. **183** pp. 1–302, 4 pls.

A preliminary list of the ants recorded from China, GEE Lingnaam Agric. Rev. **2** pp. 100–107.

A preliminary list of the ants of Kansas, HAYES Ent. News **36** pp. 10–12, 39–43, 69–73.

Evolution of the faculty of communication in ants, HINGSTON Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 289–295.

Formicidae from Arctic Ural, KARAVAEV Mém. Acad. imp. Sci. **28** no. 17 1916 4 pp.

Nests of ants, Turkestan, KUZNETZOV Zool. Anz. **64** pp. 253–260.

Nomenclature of ants of S. Paulo, LUEDERWALDT Rev. Mus. Paul. **10** 1918 pp. 31–52.

Keys to Brazilian Dorylinae, LUEDERWALDT Rev. Mus. Paul. **12** 1920 Pt. II pp. 229–257 6 figs.

Formicidae of Modena province, MENOZZI Atti Soc. nat. mat. Modena (6) **3** pp. 22–47.

On a collection of ants from the Andaman Islands, MUKHERJI & RIBEIRO Rec. Ind. Mus. **27** pp. 205–209.

Revision of Venetian and Dalmatian Formicidae, MÜLLER Bol. Soc. adriat. Sci. nat. **28** 1923 pp. 11–180.

Ant acacias and acacia ants of Mexico and Central America, SAFFORD Smithsonian Rept. **1921** 1923 pp. 381–394 figs.

Orientation in ants, SANTSCHI Mém. Soc. vaud. Sci. nat. **1** 1924 pp. 137–175 4 figs.

A list of ants from China, SANTSCHI Bull. soc. vaud. Sci. nat. **56** pp. 81–96.

Ants of Macedonia collected by Prof. J. Komarek, SCHKAFF Bull. Soc. ent. Fr. **1925** pp. 273–276.

Contributions to the ant fauna of Czechoslovakia, ŠKAFF Časopis **21** pp. 109–110.

Formicidae of S.W. Africa, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923 pp. 143–167, 2 figs.

Notes on ant fauna of oak galls in Woods Hole region, STURTEVANT Psyche **32** pp. 313–314.

Ant mimicry, WASMANN xii + 164 pp., 3 plates, Berlin 1925.

Revision of Formicoidea of Connecticut with various keys, WHEELER Conn. N. H. Surv. Bull. **22** 1916 pp. 577–601 fig.

The ants of the Philippine Islands, Part I Dorylinae and Ponerinae, WHEELER & CHAPMAN Phil. J. Sci. **28** pp. 47–71 figs.

Acantholepis (*Stigmacros*) *medioreticulata* p. 32, *pilosella* p. 33, *fossulata*, *foreli* **spp. n.**; *aemula* **var. n.** *intacta* p. 34 N.S. Wales, VIEHMEYER Ent. Mitt. **14.**

Acanthoponera dolo **var. n.** *schwebeli* Brazil p. 54, LUEDERWALDT Rev. Mus. Paul. **10** 1918.

Acromyrmex (*Moellerius*) *landolti* **var. n.** *parens*; (*A.*) *coronatus* st. *andicola* **var. n.** *flavescens* p. 239, st. *moelleri* **var. n.** *obscurior* p. 240; *diabolicus* **var. n.** *mediocris* p. 241; *aspersus* **var. n.** *insularis* p. 242, st. *mesonotalis* **var. n.** *clarus*; *rugosus* **st. n.** *bigener* p. 243, Brazil, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*A.*, revision, *coronatus* **st. n.** *importunus* p. 362, st. *ochraceolus* **var. n.** *ornatus* p. 365, st. *andicola* **var. n.** *medianus* p. 367; *aspersus* **var. n.** *affinis* p. 369; *subterraneus* **var. n.** *mixtus*, **st. n.** *molestans* p. 373; *crassispinus* **st. n.** *rusticus* p. 375; *hispidus* **sp. n.** (with **var. n.** *fallax*) st. **n.** *atratus* p. 376, *formosus* (with **var. n.** *rufescens*) p. 377; *rugosus* **var. n.** *vestitus* p. 380; *laticeps* **var. n.** *hortulanus* p. 381; *ambiguus* **var. n.** *erectus* p. 384; *lundi* st. *pubescens* **var. n.** *carli* p. 385 S. America figs., SANTSCHI Rev. suisse Zool. **31.**

Adformica **subgen. n.** see *Formica.*

Aenictus bakeri **sp. n.** Philippines p. 439 fig., MENOZZI Phil. J. Sci. **28.**—*A. luzoni*, *camposi* **spp. n.** Philippines p. 43 figs., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Anochetus amati Aru Is. p. 285, *gracilis* Javà p. 286, *minutus* Malacca p. 288, *splendens* Aru Is. p. 289, **spp. n.** fig., KARAWAIEW Konowia **4.**—*A. altisquamis* **f. n.** *fumata* Brazil p. 53, LUEDERWALDT Rev. Mus. Paul. **10** 1918.—*A. serratus* Java p. 113, *ruginotus* Philippines p. 114, **spp. n.**, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*A.* (*Stenomyrmex*) *inca* **sp. n.** Peru p. 8, WHEELER Ark. Zool. **17A** no. 8.

Anoplolepis **subgen. n.** *Tapinolepis* type *tumidula* Em. Eritrea p. 18 fig., EMERY Gen. Ins. fasc. **183.**

Aphaenogaster angusta **sp. n.** Spain p. 340, (*Attomyrma*) *subterranea* **var. n.** *ichneusa* Sardinia p. 341 fig., SANTSCHI Eos **1.**

Apterostigma peruvianum Peru p. 46, *jubatum* Br. Guiana p. 47, *auriculatum* Trinidad p. 49 (with **var. n.** *demerarae* Br. Guiana p. 51), *dentigerum* Costa Rica p. 51, **spp. n.**, WHEELER Ark. Zool. **17A** no. 8.

Atta göldii p. 61, *luederwaldti*, *nigrosetosa* p. 63 nests fig., LUEDERWALDT Rev. Mus. Paul. **10** 1918.

Bothriomyrmex meridionalis gibbus redescribed Czechoslovakia p. 35, SOUDEK Ent. Rec. **37.**—*B.*, European and Oriental spp. p. 1, *syrius* **subsp. n.** *turcomenicus* Transcaspia p. 11; *kusnezovi* **sp. n.** Turkestan p. 12; *corsicus* **var. n.** *ligurica* Genoa; *corsicus*

subspp. n. *gallicus* Rhône valley p. 14, *laticeps* Pyrenees p. 14; *adriacus* subspp. n. *anatolicus* Smyrna, *ionius* Corfu p. 16 (with var. n. *sicula* Sicily p. 17); *menozzii* sp. n. Italy p. 17 figs., EMERY Bull. Soc. vaud. Sci. nat. **56**.—*B. dimmocki* see *Tapinoma*.

Bothroponera williamsi sp. n. Philippines p. 67 figs., WHEELER & CHAPMAN Phil. J. Sci. **28**.

Brachymyrmex key (*Bryscha* subgen. n. type *pilipes* Mayr) p. 652, *patagonicus* var. n. *atratula* p. 657, *cordemoyi* var. n. *distincta* p. 658, *levis* var. n. *andina* p. 659, *fiebrigi* var. n. *fumida*, p. 661, *australis* var. n. *curta* p. 663, *heeri* var. n. *fallax* p. 665, *longicornis* var. n. *hemiops* p. 668; *constrictus* p. 671, *luederwaldti* p. 672 spp. n. S. America figs., SANTSCHI An. Mus. nac. H. N. Buenos Aires **31**.

Bryscha subgen. n. see *Brachymyrmex*.

Camponotus ligniperda, *herculeanus* biology Jura p. 718, BOUVIER C.R. Assoc. franç. Avanc. Sci. **45** (1921) 1922.—*C. rufus* sp. n. W. Australia p. 596, CRAWLEY Ann. Mag. N. H. (9) **16**.—*C. japonicus* var. *atrox* n. n. for *cruentata* Karavaiev nec Latr. p. 73; *punctulatus* var. *pergandei* n. n. for *ruficornis* Perg. nec Emery p. 78; *sayi* subsp. *californica* n. n. for *bicolor* Perg. nec Latr. p. 118; *quadrimaculatus* var. *opacata* n. n. for *opaca* Em. nec Nyl. p. 123; *ceylonicus* n. n. for *testacea* Bingh. p. 145; *vitreus* var. *angustula* n. n. for *angustata* Mayr p. 148; *quadriceps* var. *nanula* n. n. for *nana* Em. nec Sm. p. 150, subgenn. n. *Myrmoxygenys* type *caesar* For. Tropical Africa p. 70, *Karavaievia* type *exsectus* Em. Mentawei Is. p. 115, *Myrmodirhachis* type *heathi* Mann. Brazil p. 168 figs., EMERY Gen. Ins. fasc. **183**.—*C.* (*Myrmothrix*) *renggeri* Em., a distinct species, *rufipes* f. n. *cajurensis* S. Paulo p. 53, LUEDERWALDT Rev. Mus. Paul. **10** 1918.—*C. vividus* var. n. *laevithorax* Uganda p. 227, MENOZZI Ann. Mus. Gen. **51** 1924.—*C.* (*Myrmosericus*) *cruentatus* var. n. *aspera* Australia, (*Myrmomalis*) *depressus* ♀ described from Brazil p. 371, MENOZZI Ent. Mitt. **14**.—*C. marginatus* var. n. *rubicolor*; *marginatus quadrinotatus* var. n. *nigricolor* Siberia p. 42, RUZSKY Rev. russe Ent. **19**.—*C. japonicus* var. n. *tonkinus* Tonkin p. 88, SANTSCHI Bull. Soc. vaud. Sci. nat. **56**.—*C.* (*Myrmoturba*) *compressus* st. *thoracicus* var. n. *spahis* Algeria, (*M.*) *erigens* st. n. *magister* (with var. n. *pupillus* Algeria) Morocco p. 357, (*Myrmentoma*) *lateralis* st. *spissinodis* var. n. *balearis* Majorca p. 36 fig., SANTSCHI Eos **1**.—*C.* (*Myrmothrix*) *cingulatus* st. *brunneiventris* var. n. *postniger* Brazil; (*Myrmobrachys*) *brasiliensis* var. n. *antennatus* Costa Rica; (*M.*) *canescens* st. n. *stomatus* Canal Zone p. 246; (*M.*) *crassus* var. n. *delabiatus* p. 247 Brazil, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65**.—*C. planus*, *macilentus* spp. n. Galapagos Is. p. 83, F. SMITH Proc. Zool. Soc. **1877**.—*C. troglodytes* var. n. *dispar*; *foraminosus* r. *ruspolii* var. n. *rubrolabiatus*; *rufoglaucus* st. n. *latericius* p. 165; *callimorphus* sp. n. p. 166 S.W. Africa, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.—*C.* (*Myrmoturba*) *maculatus* r. *tinctus* var. n. *volkensi* Caroline Is. p. 124; (*M.*) *maculatus* st. n. *foveolatus* Philippines p. 125; (*Myrmamblys*) *reticulatus* st. n. *jagori*; (*Myrmotarsus*) *rufifemur* var. n. *obscura* p. 126; (*Myrmophyma*) *quadrisectus* r. *hians* var. n. *orthocephalus* Philippines; (*Colobopsis*) *badius* var. n. *saginata*; (*C.*) *vitreus* var. n. *latinota* Borneo p. 127; (*Myrmacantha*) *castanea* sp. n. Philippines p. 128 fig., STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*C.* (*Myrmosaga*) *afflatus* p. 140 S. Australia, (*M.*) *erythropus*, (*Myrmophyma*) *nitidiceps* p. 141, (*M.* ?) *lividicoxis* p. 142 spp. n.; (*M.*) *claripes* subsp. n. *orbiculatopunctatus* (with var. n. *flavotibialis*); (*Colobopsis*) *sanguinifrons* sp. n. p. 143, (*C.*) *victor* subsp. n. *augustulatus* p. 145, (*Myrmogonia*) *cameratus* sp. n. p. 146 N.S. Wales, VIEHMEYER Ent. Mitt. **14**.

Cardiocondyla elegans var. n. *dalmatica* Dalmatia p. 34, SOUDEK Ent. Rec. **37**.—*C. globinodis* sp. n. S.W. Africa p. 154, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Cataglyphis karavaiewi Transcaspia p. 354, (*Paraformica*) *caucasea* Caucasus p. 353, spp. n., SANTSCHI Eos **1**.

Cataulacus johannae st. n. *densipunctuatus* S.W. Africa p. 163, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Centromyrmex donisthorpei sp. n. Philippines p. 443 fig., MENOZZI Phil. J. Sci. **28**.

Cepobroticus **subgen. n.** see *Megalomyrmex.*

Cerapachys salimani **sp. n.** Java p. 72, KARAWAIEW Konowia **4.**—*C. rufithorax* p. 50, *negrosensis* p. 51, *nitida, muiri* p. 52, **spp. n.** Philippines figs., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Chalcoponera victoria **var. n.** *andrei* Philippines p. 59 figs., WHEELER & CHAPMAN t.c.

Chalepoxenus gribodoi ♂ described p. 20, MENOZZI Boll. Soc. ent. ital. **57.**

Coptoformica **subgen. n.** see *Formica.*

Cremastogaster auberti var. *sorokini* habits Baghdad p. 541, figs., HINGSTON J. Bombay Nat. Hist. Soc. **30.**—*C. laestrygon* **var. n.** *submaura* Balearic Is. p. 1, LOMNICKI Polsk. Pismo ent. **4.**—*C.* (*Physocrema*) *bakeri* p. 447, (*Atopogyne* ?) *vitalisi* p. 448, **spp. n.** Philippines fig., MENOZZI Phil. J. Sci. **28.**—*C.* (*Orthocrema*) *peristericus* **sp. n.** Brazil p. 369 fig., MENOZZI Ent. Mitt. **14.**—*C.* (*Acrocoelia*) *laboriosa* **var. n.** *zoceensis* Shanghai p. 85; (*Paracrema*) *modiglianii* **varr. n.** *surbeki* Sumatra p. 90, *anoemica* Burma p. 91, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**—*C.* (*Orthocrema*) *unciata* **sp. n.** p. 228, (*O.*) *brevispinosa* **var. n.** *subtonsa* p. 229, *b.* st. *minutior* **var. n.** *themis*, *b.* **st. n.** *projecta* p. 230, (*O.*) *victima* st. *nitidiceps* **var. n.** *turbida*, (*O.*) *fuliginea* p. 231, (*O.*) *dorsidens* **spp. n.**, (*Neocrema*) *montesumia* **st. n.** *cristulata* p. 233, (*N.*) *magnifica* **sp. n.** p. 234, Brazil, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*C.* (*Acrocoelia*) *auberti* st. *fuenti* **var. n.** *dusmeti* Spain p. 348, SANTSCHI Eos **1.**—*C.* (*Physocrema*) *onusta* **sp. n.** Philippines p. 118, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*C. tricolor* r. *ferruginea* **var. n.** *adusta* p. 155, *peringueyi* **st. n.** *dentulata* p. 156 S.W. Africa, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.—*C.* (*Orthocrema*) *brevispinosa* **subspp. n.** *russata* Bolivia p. 24, *townsendi* Peru; (*O.*) *longispina* **var. n.** *boliviana* Bolivia p. 25; (*Eucrema*) *inca* **sp. n.** p. 27 (with **subsp. n.** *ascendens* p. 28) Peru, WHEELER Ark. Zool. **17A** no 8.

Cyphomyrmex paniscus **sp. n.** Brazil p. 42, *bigibbosus* **subsp. n.** *faunulus* Br. Guiana, p. 44, WHEELER t.c.

Diacamma holosericeum redescribed p. 115; *rugosum* **subspp. n.** *balinensis* Bali p. 116, *buruensis* p. 117 Buru, *arcuata* Sumatra p. 118, *latispina* Java p. 119, KARAWAIEW Konowia **4.**—*D. sericeiventre* **sp. n.** Philippines p. 111 fig., STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*D. palawanicum* **var. n.** *concentricum* p. 64, *panayensis* p. 65, *baguiensis* p. 66 **spp. n.**, Philippines figs., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Dolichoderus (*Hypoclinea*) *bituberculatus* **var. n.** *rufescens* Borneo p. 123, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*D.* (*Hypoclinea*) *bituberculatue* **varr. n.** *lacciperda* Cambodia p. 91. *bilikana*; *cuspidatus* **st. n.** *surbeki* Sumatra p. 92, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**

Eciton (*Labidus*) *praedator* ♀ described, biology p. 54 fig., LUEDERWALDT Rev. Mus. Paul. **10** 1918.—*E. hamatum* **var. n.** *mattogrossensis* Brazil p. 237, LUEDERWALDT op. cit. **12** 1920 Pt. II; coleopterous guests pp. 166–177, MANN Psyche **32**; queen p. 145 figs., WHEELER Biol. Bull. Woods Hole, Mass. **49.**—*E.* key p. 222, *burchelli* **var. n.** *viator* Brazil p. 221, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**

Epopostruma monstrosa **sp. n.** N.S. Wales p. 30, VIEHMEYER Ent. Mitt. **14.**

Euponera (*Brachyponera*) *luteipes* **varr. n.** *continentalis* India, *arcuata* Java p. 125; *atratx* **sp. n.** Amboina p. 126 fig., KARAWAIEW Konowia **4.**—*E.* (*Trachymesopus*) *myropola* **sp. n.** Philippines p. 444, MENOZZI Phil. J. Sci. **28.**—*E.* (*Mesoponera*) *fauveli* ♂ ♀ described, (*Trachymesopus*) *holmgreni* **sp. n.** Peru p. 6, WHEELER Ark. Zool. **17A** no. 8.

Eusphinctus septentrionalis **sp. n.** Australia p. 577, CRAWLEY Ann. Mag. N. H. (9) **16.**

Formica exsectoides nesting habits pp. 75–87, ANDREWS Psyche **32.**—*F. rufibarbis subpilosa* var. *clarissima* **n. n.** for *clarior* Ruzsky; *rufibarbis* var. *sinae* **n. n.** for *orientalis* Wheeler p. 250, EMERY Gen. Ins. fasc. **183.**—*F.*, review of Polish spp. with keys p. 151, *Adformica* **subgen. n.** p. 164, *rufibarbis* var. *piligera* **n. n.** for *subpilosa* Em. nec Ruzsky and *rufibarbis* Forel (1915) fig., LOMNICKI Polsk. Pismo ent. **3.**—*F.* **subgen. n.** *Coptoformica* Italy p. 133, MÜLLER Bol. Soc. adriat. Sci. nat. **28** 1923.—*F. rufa* **var. n.** *obscurata* Spain; (*Raptiformica*) *sanguinea* **varr. n.** *borea* Finland p. 351, *strenua* Spain p. 352; (*Proformica*)

nasuta var. n. *depilis* France p. 353, SANTSCHI Eos **1.**—*F.* (*Serviformica*) *rufibarbis* var. n. *glabridorsis* Pekin p. 95, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**

Formicoxenus nitidulus life-history p. 452, STAGER Zs. Morph. Oekol. Tiere **3.**

Geognomicus gen. n. (near *Calyptomyrmex*) *wheeleri* sp. n. Principe I. p. 220 fig., MENOZZI Ann. Mus. Gen. **51** 1924.

Harpegnathos macgregori sp. n. Philippines p. 61, WHEELER & CHAPMAN Phil. J. Sci. **28.**

Iridomyrmex detectus var. n. *castrae* p. 31; *nitidus* subsp. n. *clitellarius* p. 32 N.S. Wales, VIEHMEYER Ent. Mitt. **14.**

Karavaievia subgen. n. see *Camponotus.*

Lasius, social parasitism p. 170, CRAWLEY Ent. Rec. **37.**—*L.* (*Chthonolasius*) *umbratus* var. n. *apennina* Apennines p. 34, MENOZZI Atti Soc. nat. mat. (6) **3.**—*L. escamole* sp. n. Mexico p. 1, REZA Mem. Rev. Soc. cient. Ant. Alzate **44.**—*L.* (*Chthonolasius*) *umbratus* var. n. *ibericus* (with var. n. *sancho*) Spain p. 349 fig., SANTSCHI Eos **1.**—*L. fuliginosus, umbratus* in same nest pp. 28–30, STÄRCKE Natura, The Hague **1925.**

Leptogenys (*Lobopelta*) *diminuta* subsp. *fruhstorferi* varr. n. *amboinensis* Amboina p. 277, *huruensis* [sic] Buru, *longinoda* Sumatra; *diminuta* subsp. n. *nong-nongi* Java p. 278; *kraepelini* ♂ described p. 280, *rugosopunctata* sp. n. Java p. 283 fig., KARAWAIEW Konowia **4.**—*L.* (*Lobopelta*) *varicosa* sp. n. Philippines p. 112, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Leptothorax nadigi sp. n. Switzerland p. 409 fig., KUTTER Mitt. schweiz. Ent. Ges. **13.**—*L.* (*Myrmammophilus*) *finzii* sp. n. Modena p. 29 fig., MENOZZI Atti Soc. nat. mat. (6) **3.**—*L. sordidulus* p. 86, *pelagosanus* p. 88, spp. n. Adriatic Coast, MÜLLER Bol. Soc. adriat. Sci. nat. **28** 1923.—*L. nivarianus* (with var. n. *guancha*) Teneriffe p. 343, *glaber* Italy p. 345, *tricolor* Morocco p. 346, spp. n., SANTSCHI Eos **1.**

Liomyrmex tagalanus sp. n. Philippines p. 445 fig., MENOZZI Phil. J. Sci. **28.**

Lioponera luzuriagae p. 53, *bicolor* p. 54, *bakeri* p. 55, spp. n. Philippines figs., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Mayriella overbecki sp. n. N.S. Wales p. 26, VIEHMEYER Ent. Mitt. **14.**

Megalomyrmex (*Wheeleriomyrmex*) *myops* sp. n. Brazil p. 237, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*M.* (*Cepobroticus* subgen. n.) *symmetochus* sp. n. Panama p. 168, WHEELER Biol. Bull. Woods Hole **49.**—*M.* (*Wheeleriomyrmex*) *sjöstedti* sp. n. Bolivia p. 30 (with var. n. *langi* Br. Guiana p. 31), WHEELER Ark. Zool. **17A** no. 8.

Megaponera notes pp. [26]–[28], COLLART Rev. zool. afr. **13.**

Melophorus fieldi var. n. *propinqua* N.S. Wales p. 36, VIEHMEYER Ent. Mitt. **14.**

Messor barbarus varr. n. *nigriceps* Spain p. 341, *ambiguus* Tunisia p. 342, SANTSCHI Eos **1.**—*M. denticornis* varr. n. *laevifrons* p. 148, *striatifrons* p. 149; *incisus* p. 149, *piceus* p. 150 spp. n.; *braunsi* var. n. *nigriventris* p. 150 S.W. Africa, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Monomorium micron sp. n. W. Australia p. 593, CRAWLEY Ann. Mag. N. H. (9) **16.**—*M. minutum* var. n. *chinensis* p. 86; *pieli* sp. n. p. 87 Shanghai, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**—*M. salomonis* varr. n. *rufula, unicolor, minor* W. Africa p. 156, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.—*M. kiliani* var. n. *obscurella* p. 27, *rothsteini* var. n. *squamigena* p. 28 N. S. Wales, VIEHMEYER Ent. Mitt. **14.**

Myopopone castanea var. n. *proxima* Philippines; *moelleri* var. n. *striatifrons* Sumatra p. 110, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Myrmecia regularis p. 579, *atriscapa* p. 580, spp. n. W. Australia, CRAWLEY Ann. Mag. N. H. (9) **16.**

Myrmetaerus gen. n. *microcellatus* sp. n. Dalmatia p. 33, SOUDEK Ent. Rec. **37.**

Myrmica rugulosa gynandromorphs p. 827 figs., ŁOMNICKI Kosmos **49** 1924.—*M. albuferensis* sp. n. Balearic Is. p 2, ŁOMNICKI Polsk. Pismo ent. **4.**—*M. scabrinodis kasczenkoi* var. n. *subaltaica* Siberia p. 45, RUZSKY Rev. russe Ent. **19.**—*M. moravica* ♂ described p. 34, SOUDEK Ent. Rec. **37.**

Myrmicaria revision of African spp. with key pp. 133–176; *natalensis* var. n. *navicula* E. Africa p. 146;

irregularis **sp. n.** p. 147; *opaciventris* **var. n.** *mesonatalis* p. 151 Belgian Congo; *rustica* **sp. n.** (with st. n. *angustior* p. 158) E. Africa p. 157; *arnoldi* **n. n.** for *striata* Arnold; *reichenspergeri* **sp. n.** E. Africa p. 159; *fumata* **st. n.** *linearis* Belgian Congo; *distincta* **sp. n.** Br. E. Africa p. 161 (with st. n. *abyssinica* Abyssinia p. 163); *foreli* **sp. n.** Natal p. 163; *fusca* **var. n.** *consanguinea* E. Africa p. 166; *fusca* st. *nigerrima* **var. n.** *laevifrons* Portuguese E. Africa p. 167 figs., SANTSCHI Ann. Soc. ent. Belg. **64** 1924.

Myrmicocrypta foreli **subsp. n.** *surianensis* Bolivia p. 45, WHEELER Ark. Zool. **17A** no. 8.

Myrmodirhachis **subgen. n.** see *Camponotus.*

Myrmoxygenys **subgen. n.** see *Camponotus.*

Mystrium camillae **subsp. n.** *javana* Java p. 73 fig., KARAWAIEW Konowia **4.**

Notoncus foreli var. *subdentata* ♀ ♂ described, **var. n.** *acuminata* p. 37; *politus* **sp. n.** p. 38; *capitatus* **var. n.** *minor* p. 139 Australia, VIEHMEYER Ent. Mitt. **14.**

Ocymyrmex weitzaeckeri **var. n.** *usakosensis*; *barbiger* **var. n.** *robustior* p. 146, **st. n.** *flavescens* p. 147 S.W. Africa, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Odontomachus saevissimus ♂ described p. 291, *latidens* ☿ described p. 292, *ruficeps* **subsp. n.** *aruanus* Aru Is. p. 295 fig., KARAWAIEW Konowia **4.**—*O. monticola* **var. n.** *hainanensis* Hainan; *haematodes* **var. n.** *fuscus* Cuba p. 115; *imperator* **varr. n.** *tauerni* Moluccas, *montanus* New Guinea; *politus* **sp. n.** Fiji p. 116; *infandus* **st. n.** *striaticeps* Philippines p. 117 fig., STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Odontoponera transversa **var. n.** *biconcentrica* Philippines p. 62 fig., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Oecophylla smaragdina in S. China pp. 100–107 figs., GROFF & HOWARD Lingnan Agric. Rev. **2.**

Oligomyrmex panamensis **sp. n.** Panama p. 175, WHEELER Biol. Bull. Woods Hole **49.**

Pachycondyla (*Ectomyrmex*) *sculpturata* **sp. n.** Sumatra p. 122, KARAWAIEW Konowia **4.**—*P. metanotalis* **sp. n.** Brazil p. 54, LUEDERWALDT Rev. Mus. Paul. **10** 1918.—*P. harpax* **varr. n.** *irina* Guatemala, Peru, etc., *concinna* Brazil, Bolivia p. 5, WHEELER Ark. Zool. **17A** no. 8.

Pheidole claviscapa p. 224, *arcifera* p. 226 **spp. n.**; *guilelmi-mulleri* **var. n.** *fera* p. 227, Brazil, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*P. noggii* **var. n.** *zoceana*; *pieli* **sp. n.** Shanghai p. 83, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**—*P. tenuinodis* **var. n.** *robusta* S. W. Africa p. 154, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.—*P.* (*Hendecapheidole*) *mendicula* **sp. n.** Panama p. 172, WHEELER Biol. Bull. Woods Hole **49.**—*P. quiaccana* p. 13, *vafella* p. 15 Bolivia, *accinota* Peru p. 16, *holmgreni* (with **subsp. n.** *festata* p. 20) Bolivia p. 18 **spp. n.**; *carapuna* **var. n.** *chaquimayensis* p. 20; *biconstricta* **subsp. n.** *simplex* Peru; *moséni* **sp. n.** Brazil p. 21, WHEELER Ark. Zool. **17A** no. 8.

Pheidologeton (*Aneleus*) *pymaeus* **var. n.** *densistriatus* no locality p. 120, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*P. hammoniae* **sp. n.** S.W. Africa p. 157 figs., STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Plagiolepis vindobonensis **sp. n.** Vienna p. 78 figs., ŁOMNICKI Polsk. Pismo ent. **4.**

Platythyrea maquilingi **sp. n.** Philippines p. 58 figs., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Podomyrma parva **sp. n.** W. Australia p. 592, CRAWLEY Ann. Mag. N. H. (9) **16.**—*P. overbecki* **var. n.** *varicolor*; *macrophthalma* **sp. n.** N. S. Wales p. 25, VIEHMEYER Ent. Mitt. **14.**

Pogonomyrmex rastratus **var. n.** *pulchellus* Argentine p. 223, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**

Polyrhachis latispina **n. n.** for *atalanta* Wheeler; *lanuginosa* subsp. *felici* **n. n.** for subsp. *santschii* Emery p. 206, EMERY Gens. Ins. fasc. **183.**—*P. bihamata* **var. n.** *perplexa* Laos p. 92; *ypsilon* **var. n.** *victoris* Sumatra p. 93, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**—*P.* (*Myrmhopla*) *bubalus* **sp. n.** p. 129; (*M.*) *hippomanes* **st. n.** *boettcheri*; (*M.*) *bicolor* **varr. n.** *fumata* p. 131, *flavicornis* p. 132; (*M.*) *tragos* **sp. n.** p. 133 Philippines; (*Myrma*) *sculpturata* **st. n.** *javana* p. 134 Java; (*M.*) *orsyllus* **var. n.** *dentulata* p. 135 no locality;

(*Myrmothrinax*) *thrinax* **var. n.** *castanea* p. 136 Philippines, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.—*P.* (*Campomyrma*) *hirsuta* **subsp. n.** *quinquedentata* p. 147; (*Hedomyrma*) *anguliceps*, (*H.*) *chrysothorax* p. 148, **spp. n.** N. S. Wales, VIEHMEYER Ent. Mitt. **14.**

Pristomyrmex picteti **var. n.** *tingiana*; *taurus* **sp. n.** Philippines p. 120 fig., STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Pseudolasius key to African p. 226, *bayonii* **sp. n.** Uganda p. 224 fig., MENOZZI Ann. Mus. Gen. **51** 1924.

Pseudomyrma unicolor **var. n.** *anceps* Brazil p. 222, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*P. ejecta* **var. n.** *peruviana*; *holmgreni* **sp. n.** Peru p. 11, WHEELER Ark. Zool. **17A** no. 8.

Pseudopodomyrma **gen. n.**, *clarki* **sp. n.** W. Australia p. 40, CRAWLEY Ent. Rec. **37.**

Raptiformica sanguinea dwarf ♂ ♂ p. 98–99, ŻOMNICKI Kosmos **46** 1921.

Rhopalothrix angulinodis **sp. n.** Philippines p. 122, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Rhytidoponera punctata **var. n.** *levior* p. 581; *convexa violacea* **var. n.** *opacior* p. 583; *aspera* **var. n.** *scabrior* p. 590; *foveolata* p. 581, *punctigera* p. 582, *cerastes* (with **var. n.** *brevior*) p. 584, *pronotalis* p. 588, *castanea* p. 589 **spp. n.** Australia figs., CRAWLEY Ann. Mag. N. H. (9) **16.**—*R. subcyanea* **var. n.** *aruana* Aru Is. p. 78, KARAWAIEW Konowia **4.**

Rogeria tortuosa **subsp. n.** *stoneri* Fiji p. 5, MANN Univ. Iowa Studies **11.**

Sericomyrmex zacapanus Guatemala, *impexus* Br. Guiana, **spp. n.** p. 54, WHEELER Ark. Zool. **17A** no. 8.—*S. amabilis* **sp. n.** Panama p. 166, WHEELER Biol. Bull. Woods Hole **49.**

Sima nitens **sp. n.** Philippines p. 117, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Solenopsis brasiliana p. 235, *bondari* **spp. n.**; *tridens* **var. n.** *substituta* p. 236; *edouardi* **var. n.** *bahiaënsis* p. 237, Brazil, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*S. soochowensis* **st. n.** *pieli* Shanghai p. 86, SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**—*S. froggatti* ♀ described p. 28, VIEHMEYER Ent. Mitt. **14.**—*S. novem-maculata* **sp. n.** Bolivia p. 35, WHEELER Ark. Zool. **17A** no. 8.—*S. conjurata* **sp. n.** Panama p. 178, WHEELER Biol. Bull. Woods Hole **49.**

Sommimyrma **gen. n.**, *symbiotica* **sp. n.** Modena province p. 25 fig., MENOZZI Atti Soc. nat. mat. (6) **3.**

Stictoponera spiralis **sp. n.** Java p. 79, KARAWAIEW Konowia **4.**—*S. stylata* **sp. n.** Philippines p. 440, MENOZZI Phil. J. Sci. **28.**

Stigmatomma (*Fulakora*) *luzonicum*, (*F.*) *williamsi* **spp. n.** Philippines p. 56 figs., WHEELER & CHAPMAN Phil. J. Sci. **28.**

Tapinolepis **subgen. n.** see *Anoplolepis.*

Tapinoma revision of palaearctic spp.; *simrothi* **var. n.** *phoenicea* p. 50, **subspp. n.** *festae* p. 51, *karavaievi* p. 52; *erraticum* **varr. n.** *bononiensis* p. 55, *platyops* p. 56, **subsp. n.** *ambiguum* p. 57; *tauridis* p. 59, *breve*, *christophi* p. 60, *sinense* p. 61, **spp. n.** figs., EMERY Rev. Suisse Zool. **32.**—*T.*, *Bothriomyrmex dimmocki* Wheeler transferred to, p. 19, EMERY Bull. Soc. vaud. Sci. nat. **56.**—*T. pygmaeum* a good sp., further description p. 17 figs., MENOZZI Boll. Soc. ent. ital. **57.**—*T. nigerrimum* **var. n.** *ibericum* Spain p. 349, (**subgen. n.** *Tapinoptera*) for *vexatum* Santschi p. 348, SANTSCHI Eos **1.**—*T. sinense* Emery redescription, p. 94 figs., SANTSCHI Bull. Soc. vaud. Sci. nat. **56.**

Tapinoptera **subgen. n.** see *Tapinoma.*

Tetramorium caespitum caespitum **var. n.** *fusciclava* Rimini, *c.* **subsp. n.** *tsushimae* Tsushima I. p. 187, *c. ferox* **var. n.** *striaticeps* Bokhara, *c.* **subsp. n.** *tenuicornis* p. 188, *c. punicum* **var. n.** *nitidissima* Transcaspia, *c. semilaeve* **var. n.** *fortunatarum* Canary Is. p. 190, *c. inerme* **var. n.** *armata* Transcaspia p. 191 figs., EMERY Ann. Soc. ent. Belg. **64** 1924.—*Tetramorium blochmanni* **var. n.** *calvum*; *solidum* **stt. n.** *glabratum* (with **var. n.** *aciculatum* p. 162), *rufescens* p. 163 S. W. Africa, STITZ Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Trachymyrmex jamaicensis **var. n.** *frontalis* Haiti p. 238, SANTSCHI Bull. & Ann. Soc. ent. Belg. **65.**—*T. holmgreni* **sp. n.** Bolivia p. 37; *urichi* **subsp. n.** *panamensis* Panama p. 38; *phaleratus* p. 39, *abortivus* p. 40, **spp. n.** Br. Guiana. WHEELER Ark. Zool. **17A** no. 8.

Trapeziopelta philippinensis **sp. n.** Philippines p. 441, MENOZZI Phil. J. Sci. **28.**—*T. bidens* **var. n.** *polita* Philippines p. 112, STITZ SitzBer. Ges. natf. Freunde **1923** 1925.

Typhlomyrmex robustus **subsp. n.** *manco* Bolivia, Peru p. 2, WHEELER Ark. Zool. **17A** no. 8.

Typhloteras **gen. n.** (near *Centromyrmex*) p. 128, *hamulatum* **sp. n.** Sumatra p. 129 fig., KARAWAIEW Konowia **4.**

Vollenhovia ambitiosa **sp. n.** Philippines p. 446, MENOZZI Phil. J. Sci. **28**

Xiphomyrmex insularis **sp. n.** Principe I. p. 223 fig., MENOZZI Ann. Mus. Gen. **51** 1924.—*X. striolatus* **subsp. n.** *splendidior*; *turneri* **subsp. n.** *fuscipes* N. S. Wales p. 29; *impressus* **sp. n.** Australia p. 30, VIEHMEYER Ent. Mitt. **14.**

Proctotrupoidea (Serphoidea).

Revision of Serphoidea (Proctotrupoidea) of Connecticut with keys, BRUES Conn. H. N. Surv. Bull. **22** 1916 pp. 529–576 fig.

Proctotrupoidea from Lord Howe and Norfolk Islands, DODD Trans. R. Soc. S. Australia **48** 1924 pp. 174–186.

PLATYGASTRIDAE.

Acerota leonardi **sp. n.** New York p. 147, FOUTS Proc. Ent. Soc. Wash. **27.**

Amblyaspis flavibrunneus **sp. n.** Lord Howe I. p. 184, DODD Trans. R. Soc. S. Australia **48** 1924.

Anopedias error see *Euxestonotus.*

Euxestonotus **gen. n.** for *Anopedias error* Fitch p. 98, key, *flavipes, brevicornis, rufidens* p. 99, U.S.A., **spp. n.,** FOUTS Proc. Ent. Soc. Wash. **27.**

Leptaciş angustula, platygaster p. 100, *carinator, dubiosa, abdominator* p. 101, *texana* p. 102 U.S.A., **spp. n.,** FOUTS t.c.

Platygaster affinis, anura p. 94, *filicaudis, kalmiae* p. 95, *minutissima, perplexa, scutellator* p. 96, *rufidens, striatifrons, signata* p. 97, *tacita* p. 98, *nigricoxa* p. 147, *pallida* p. 148, *oenone* p. 149 U.S.A., **spp. n.,** FOUTS t.c.

Trichacis howensis **sp. n.** Lord Howe I. p. 183, DODD Trans. R. Soc. S. Australia **48** 1924.—*T. cornuta* p. 93, *texana* p. 94, **spp. n.** Texas, FOUTS Proc. Ent. Soc. Wash. **27.**

SCELIONIDAE.

Baryconus discolor p. 177, *vestigialis, vestitus* p. 179, **spp. n.** Lord Howe I., DODD Trans. R. Soc. Australia **48** 1924.

Hadronotus terrestris **sp. n.** Lord Howe I. p. 180, DODD t.c.—*H. variicornis* **sp. n.** Br. Guiana p. 149, FOUTS Proc. Ent. Soc. Wash. **27.**—*H. hirsutioculus* **sp. n.** Queensland p. 183, GIRAULT Bull. Ent. Res. **16.**

Hoplogryon howensis **sp. n.** Lord Howe I. p. 177, DODD Trans. R. Soc. S. Australia **48** 1924.—*H. coxalis* **sp. n.** New York p. 103, FOUTS Proc. Ent. Soc. Wash. **27.**

Phanurus rowani p. 106, *dignus* p. 108, **spp. n.** Philippines, GAHAN Phil. J. Sci. **27.**

Prophanurus flavicorpus, pacificus **spp. n.** Philippines p. 105, GAHAN t.c.

Telenomus nawaii in Fiji p. 188, GAHAN Proc. Ent. Soc. Wash. **27.**

Trimorus norfolcensis, leai **spp. n.** Norfolk I. p. 176, DODD Trans. R. Soc. S. Australia **48** 1924.

DIAPRIIDAE.

Idiotypa pallipes **sp. n.** New York p. 102, FOUTS Proc. Ent. Soc. Wash. **27.**

Phaenopria norfolcensis **sp. n.** Norfolk I. p. 181, DODD Trans. R. Soc. S. Australia **48** 1924.

Spilomicrus howensis **sp. n.** Lord Howe I. p 182, DODD t.c.—*S. kiefferi* **sp. n.** New York p. 150, FOUTS Proc. Ent. Soc. Wash. **27.**

Tetramopria plana **sp. n.** Lord Howe & Norfolk Is. p. 181, DODD Trans. R. Soc. S. Australia **48** 1924.

BELYTIDAE.

Belyta robustior **sp. n.** Maryland p. 152, FOUTS Proc. Ent. Soc. Wash. **27.**

Cinetus pleuralis **sp. n.** New York p. 151, FOUTS t.c.

Heterobelyta **gen. n.** p. 25, type *chilensis* **sp. n.** Chile p. 26 fig., BRÈTHES An. Zool. aplic. **3** 1916.

PROCTOTRUPIDAE (SERPHIDAE).

†*Mesohelorus* **gen. n.** p. 758, *muchini* **sp. n.** Turkestan p. 759 fig., MARTYNOV Bull. Acad. Sci. Russ. **19.**

Pseudoceraphron **gen. n.** (near *Conostigmoides*) *pulex* **sp. n.** Lord Howe Is. p. 175, DODD Trans. R. Soc. S. Australia **48** 1924.

Scyphodon **gen. n.** p. 93, *anomalum* **sp. n.** Sumatra p. 95 fig., BRUES Treubia **6.**

Chalcidoidea.

Chalcidoidea from Lord Howe and Norfolk Is., DODD Trans. R. Soc. S. Australia **48** 1924 pp. 162–174.

List of rare or little-known Chalcididae, MASI Boll. Soc. ent. ital. **57** p. 32.

Studies on the post-embryonic forms of Chalcids, PARKER Ann. Soc. ent. Fr. **93** 1924 pp. 261–379 figs.

Notes on the larvae of the Chalcidoidea, PARKER & THOMPSON Ann. Ent. Soc. Amer. **18** pp. 384–395 figs.

A check-list of Indo-Ceylonese Chalcidoidea, RAMAKRISHNA AYYAR Spolia Zeylanica **13** pp. 235–254.

Revision of Chalcidoidea of Connecticut with keys, VIERECK Conn. N. H. Surv. Bull. **22** 1916 pp. 443–528, 772–776 figs.

AGAONIDAE.

Holarctic and Indo-Malayan Agaoninaè and Sycophaginae, GRANDI Boll. Lab. Zool. Portici **18** 1924 pp. 3–31 figs.

Biology, morphology and adaptation of fig insects, GRANDI Atti Soc. ital. Sci. nat. **63** pp. 288–311.

Tetrapus, morphology p. 1, *costaricanus* **sp. n.** Costa p. 4 fig., GRANDI Boll. Soc. ent. ital. **57.**

CHALCIDIDAE.

Brachymeria excarinata **sp. n.** Philippines p. 90, GAHAN Phil. J. Sci. **27.**

Leucospis birkmani Texas p. 23, *muiri* Papua p. 25, *malabarensis* S. India p. 27, **spp. n.**, BRUES Psyche **32.**

CALLIMOMIDAE.

Australtorymus **gen. n.** *dentatinotus* **sp. n.** Queensland p. 97, GIRAULT Ins. Insc. Mens. **13.**

Monodontomerella **gen. n.** *longipilum* **sp. n.** Queensland p. 98, GIRAULT t.c.

Ormyrus silvae **sp. n.** Queensland p. 93, GIRAULT t.c.

Podagrion key to Philippine p. 89, GAHAN Phil. J. Sci. **27.**—*P. pachymerum* oviposition pp. 55–57, RAMASWAMAYYA Madras Dept. Agric. Year Book **1922** 1923.

EURYTOMIDAE.

Bruchophagus arachnophagus **sp. n.** N. S. Wales p. 99, GIRAULT Ins. Insc. Mens. **13.**—*B. bruchophagoides* **n. n.** for *inconspicuus* Gir. p. 536, GIRAULT Queensland Agric. J. **24.**

Eurytoma larvicola, striatifacies **spp. n.** Queensland p. 536, GIRAULT Queensland Agric. J. **24.**—*E. nigripedicel* **sp. n.** Queensland p. 99, GIRAULT Ins. Insc. Mens. **13.**

Harmolita (*Philachyra*) *tunetana* Tunisia, *damascena* Syria, **spp. n.** p. 283, MASI Ann. Mus. Gen. **50.**

Isosoma aciculatum p. 80, *brachypodii* p. 83, *brischkei* p. 85, *calamagrostidis* p. 86, *cylindricum* p. 90, *giraudi* p. 94, *hieronymi* p. 96, *persicum* p. 99, *phleicola* p. 100, *poicola* p. 102, *rübsaameni* p. 104, *ruschkai* p. 107, *scheppigi* p. 110, *schlechtendali* p. 113, *schmidti* p. 115, *affine* p. 116, *dimidiatum* p. 118, *filicorne* p. 119, *foersteri* p. 120, *giganteum* p. 121, *laevigatum* p. 123, *longicolle* p. 124 **spp. n.**, key p. 149, Central Europe, HEDICKE Arch. Natg. **86** A 11 (1920) 1921 ; see *Isthmosoma.*

Isthmosoma **n. n.** for *Isosoma* p. 165, HEDICKE Arch. Natg. **86** A 11 (1920) 1921.—*I.*, key to related genera p. 643, list of German spp. with food-plants and figs. of galls p. 647, HEDICKE Zoologica **24** 61 Lief. iv 1924.

PERILAMPIDAE.

Austroperilampus **gen. n.** *leai* **sp. n.** Lord Howe I. p. 166, DODD Trans. R. Soc. S. Australia **48** 1924.

EUCHARIDAE.

Stilbula cynipiformis primary larva pp. 392–394 figs., PARKER & THOMPSON Ann. Ent. Soc. Amer. **18.**

EUPELMIDAE.

Anastatus tenuipes **sp. n.** Egypt p. 43 fig., BOLIVAR Y PIELTAIN Bull. Soc. R. ent. Egypte **1925.**—*A. bifasciatus* description and life-history pp. 658–672 figs., CROSSMAN J. Agric. Res. **30.**

Calosota subaenea **sp. n.** Tunisia p. 285, MASI Ann. Mus. Gen. **50.**

Eupelmus soudanensis **sp. n.** Sudan p. 265 fig., FERRIÈRE in VAYSSIÈRE & MIMEUR Agron. colon. no. **90**.

Metapelma atrotegularis p. 94, *tenuicrus* p. 95, *speciosa* p. 96, **spp. n.** Philippines, GAHAN Phil. J. Sci. **27**.—*M. patrizii* E. Africa p. 38, *feae* F. Congo p. 39, **spp. n.**, MASI Ann. Mus. Gen. **51** 1923.

Oodera ornata **sp. n.** Philippines p. 97, GAHAN Phil. J. Sci. **27**.

Polymoria alfierii **sp. n.** Egypt p. 39, BOLIVAR Y PIELTAIN Bull. Soc. R. ent. Egypte **1925**.

ENCYRTIDAE.

Acerophagus europaeus see *Timberlakia*.

Anisotylus albifrons **sp. n.** Japan p. 28, ISHII Imp. Plant Quar. Serv. Tech. Bull. **3**.

Anusia viridiflava **sp. n.** Norfolk I. p. 165, DODD Trans. R. Soc. S. Australia **48** 1924.

Aphycus orientalis **sp. n.** Yokohama p. 120 figs., COMPERE Bull. S. Cal. Acad. Sci. **23** 1924.—*A. 5-guttatus* **sp. n.** Queensland p. 93, GIRAULT Ins. Insc. Mens. **13**.—*A.* and its allies, with keys pp. 7–31 figs., MERCET Eos **1**.—See *Euaphycus*.

Australzaomma **gen. n.** (Ectromini) *brunnea* **sp. n.** Queensland p. 96, GIRAULT Ins. Insc. Mens. **13**.

Blastothrix turneri **sp. n.** Queensland p. 100, GIRAULT t.c.

Cerapterocerus fortunatus p. 26, *similis* p. 27, **spp. n.** Japan figs., ISHII Imp. Plant Quar. Serv. Tech. Bull. **3**.

Chalcaspis latiscapus **sp. n.** Japan p. 27 fig., ISHII t.c.

Cheiloneurus inimicus p. 297, *noxius* p. 302, **spp. n.** California fig., COMPERE Univ. Cal. Pub. Ent. **3**.—*C. albioviductus* **sp. n.** Queensland p. 92, GIRAULT Ins. Insc. Mens. **13**.

Chrysopophilus **gen. n.** (near *Isodromus*) p. 178, *compressiventris* **sp. n.** Panama p. 179 figs., TIMBERLAKE Proc. Hawaiian Ent. Soc. **6**.

Comperiella unifasciata **sp. n.** Japan p. 25 fig., ISHII Imp. Plant Quar. Serv. Tech. Bull. **3**.

Copidosoma thompsoni **sp. n.** France p. 151, MERCET Bol. R. Soc. esp. Hist. nat. **25**.—*C. woronieckae* **sp. n.** Poland p. 83 fig., NOWICKI Polsk. Pismo ent. **4**.

Dicarnosis alfierii **sp. n.** Egypt p. 46 fig., MERCET Bull. Soc. R. ent. Egypte **1925**.

Epicheiloneurus beerwahi **sp. n.** Queensland p. 100, GIRAULT Ins. Insc. Mens. **13**.

Epitetracnemus argentipes **sp. n.** Queensland p. 99, GIRAULT t.c.

Euaphycus, key to Spanish spp. p. 23, *ater* **n. n.** for *Aphycus* (*Euaphycus*) *nigritus* Mercet nec Howard, *dispar* **sp. n.** Spain p. 25, MERCET Eos **1**.

Eusemion californicum **sp. n.** California p. 304 fig., COMPERE Univ. Cal. Pub. Ent. **3**.

Homalotyloidea aphycomorpha **sp. n.** Spain p. 149 fig., MERCET Bol. R. Soc. esp. Hist. nat. **25**.

Leptomastidea pseudococci **sp. n.** Paraguay p. 69, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Litomastix aestivalis biology p. 56 fig., KEMNER Ent. Tidskr. **46**; new to Britain p. 257, SAUNT Ent. Mo. Mag., London **61**. Marietta [illegible]

Mesocopidosomyia **gen. n.** p. 93, *variventris* **sp. n.** Queensland p. 94, GIRAULT Ins. Insc. Mens. **13**.

Metaphycus raised to generic rank (type *zebratus* Mercet) p. 28, MERCET Eos **1**.

Ooencyrtus moneilemae **sp. n.** Texas p. 167, GAHAN Proc. Ent. Soc. Wash. **27**.—*O.* (= *Schedius*) *neustriae* **sp. n.** (*Schedius vinulae* Mercet nec *Encyrtus vinulae* Masi) Spain p. 324, MERCET Eos **1**.

Parachalcerinys nonaericornis **sp. n.** Queensland p. 97, GIRAULT Ins. Insc. Mens. **13**.

Paracopidosomopsis haploid males p. 89, PATTERSON & HAMLETT Science **61**.

Paranaphoidea eucalypti **sp. n.** Queensland p. 94, GIRAULT Ins. Insc. Mens. **13**.

Paraschedius **gen. n.** (near *Ooencyrtus*) p. 328, *ductor* p. 329, *thymicola* p. 331, **spp. n.** Spain fig., MERCET Eos **1**.

Pareusemion **gen. n.** (near *Eusemion*) p. 21, *studiosum* **sp. n.** Japan p. 23 figs., Ishii Imp. Plant Quar. Serv. Tech. Bull. **3.**

Prionomitus aulacaspidis **sp. n.** Chile p. 29 fig., Brèthes An. Zool. aplic. **1** 1914.

Protyndarichus coccidiphagus **sp. n.** Spain p. 333 fig., Mercet Eos **1.**

Pseudaphycus austriacus **sp. n.** Austria p. 13 fig., Mercet Eos **1.**

Schedius kuvanae description & life-history pp. 645–658 figs., Crossman J. Agric. Res. **30.**—*S.* see *Ooencyrtus.*

Timberlakia **gen. n.** (near *Aphycus*) for *Acerophagus europaeus* Mercet p. 9, Mercet Eos **1.**

Trichomasthus tenuicornis **sp. n.** Egypt p. 49, Mercet Bull. Soc. R. ent. Egypte **1925.**

Waterstonia secunda **sp. n.** Spain p. 20 fig., Mercet Eos **1.**

Xanthoectroma **gen. n.** p. 146, *aquilinum* **sp. n.** p. 148 Spain fig., Mercet Bol. R. Soc. esp. Hist. nat. **25.**

Zaplatycerus **gen. n.** (near *Chrysoplatycerus*) p. 173, *fullawayi* **sp. n.** Panama p. 176 fig., Timberlake Proc. Hawaiian Ent. Soc. **6.**

Cleonymidae.

Aplatygerrhus imperialis p. 163 Norfolk I., *regalis* Lord Howe I. p. 164, **spp. n.**, Dodd Trans. R. Soc. S. Australia **48** 1924.

Pycnetron **gen. n.** p. 91, *curculionidis* **sp. n.** Philippines p. 93 fig., Gahan Phil. J. Sci. **27.**

Schizonotus pailloti **sp. n.** France p. 229 figs., Ferrière & Faure Ann. Epiphyties **11.**

Miscogastridae.

Australolaelaps **gen. n.**, *aeneiceps* **sp. n.** Queensland p. 96, Girault Ins. Insc. Mens. **13.**

Calolelaps **gen. n.** (near *Neolelaps*) p. 184, *basalis* (type) p. 186, *coeruleus* p. 188, **spp. n.** Hawaii figs., Timberlake Proc. Hawaiian Ent. Soc. **6.**

Lelaps truncatipennis **sp. n.** Norfolk I. p. 167, Dodd Trans. R. Soc. S. Australia **48** 1924.

Neapterolelaps leai **sp. n.** Lord Howe I. p. 168, Dodd t.c.

Oedaule major p. 154, *latialis* p. 156, **spp. n.** Italy fig., Masi Ann. Mus. Gen. **51** 1924.

Phocion **gen. n.** p. 91, *ipswichi*, *congener* p. 92, **spp. n.** Queensland, Girault Ins. Insc. Mens. **13.**

Sphaerakis **gen. n.** *mayri* Italy p. 157, *maculata* Burma p. 159 **spp. n.** fig., Masi Ann. Mus. Gen. **51** 1924.

Stictolelaps **gen. n.** p. 189, *flaviventris* (type) p. 190, *stigmatus* p. 191, **spp. n.** Hawaii figs., Timberlake Proc. Hawaiian Ent. Soc. **6.**

Pteromalidae.

Bruchobius notes p. 151, Masi Ann. Mus. Gen. **51** 1924.

Cerocephala (*Parasciatheras*) *dinoderi* **sp. n.** Philippines p. 100, Gahan Phil. J. Sci. **27.**

Cratomus insularis, *viridinotum* **spp. n.** Lord Howe I. p. 171, Dodd Trans. R. Soc. S. Australia **48** 1924.

Dibrachys boucheanus biology pp. 144–161, Faure & Zolotarevsky Rev. Path. vég. Ent. agric. **12.**

Homoporus luniger **var. n.** *braconidis* France p. 226 figs., Ferrière & Faure Ann. Epiphyties **11.**

Mormoniella oviphaga **sp. n.** Sweden p. 82 fig., Ahlberg Medd. Centralanst. no. **287.**—*M.*, fecundity & problems of parthenogenesis pp. 347–348, Hardy Queensland Agric. J. **24.**

Ophelosia leai **sp. n.** Norfolk & Lord Howe Is. p. 169, Dodd Trans. R. Soc. S. Australia **48** 1924.

Ormyromorpha petiolata, *6-setosa* **spp. n.**; *glabra* **subsp. n.** *ciliata* Queensland p. 95, Girault Ins. Insc. Mens. **13.**

Ormyromorphella bioculata **sp. n.** Queensland p. 95, Girault t.c.

Paracarotomus cephalotes in Africa p. 188, Gahan Proc. Ent. Soc. Wash. **27.**

Pteromalus luzonensis **sp. n.** Philippines p. 99, Gahan Phil. J. Sci. **27.**

Scutellista cyanea early stages fig. p. 266, Ramakrishna Ayyar Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Tomocera transversifasciata **sp. n.** Queensland p. 91, Girault Ins. Insc. Mens. **13.**

EULOPHIDAE.

Achrysocharis leptocerus **sp. n.** Gold Coast p. 393 figs., WATERSTON Bull. Ent. Res. **15.**

Allocerastichus **gen. n.** (near *Wichmannia*) p. 146, *doderoi* **sp. n.** Italy p. 147, MASI Ann. Mus. Gen. **51** 1924.

Aphelinus mali var. *italica* biology pp. 98–104 etc. figs., del GUERCIO Agric. colon. **19.** — *A. mytilaspidis* biology pp. 56–57 figs., GRISWOLD Cornell Univ. Agric. Expt. Sta. Mem. **93.**

Astichus characters p. 83, *longevittatus* **sp. n.** Italy p. 85 fig., MASI Boll. Soc. ent. ital. **57.**

Closterocerus coffeellae **sp. n.** Brazil p. 95 fig., VON IHERING Rev. Mus. Paul. **9** 1914.—*C. africanus* **sp. n.** Gold Coast p. 392 figs., WATERSTON Bull. Ent. Res. **15.**

Coccophagus japonicus **sp. n.** Yokohama p. 122 figs., COMPERE Bull. S. Cal. Acad. Sci. **23** 1924.—*C. anthracinus* p. 309, *trifasciatus* p. 311, **spp. n.** California fig., COMPERE Univ. Cal. Pub. Ent. **3.**

Cotterellia **gen. n.** p. 388, *podagrica* **sp. n.** Gold Coast p. 389 figs., WATERSTON Bull. Ent. Res. **15.**

Deciana **gen. n.** *aeneoviridis* **sp. n.** Queensland p. 92, GIRAULT Ins. Insc. Mens. **13.**

Dimmockia aburiana **sp. n.** Gold Coast p. 385 figs., WATERSTON Bull. Ent. Res. **15.**

Hetreulophus clavicornis **sp. n.** Lord Howe I. p. 173, DODD Trans. R. Soc. S. Australia **48** 1924.

Marietta graminicola **sp. n.** Hawaii p. 180 figs., TIMBERLAKE Proc. Hawaiian Ent. Soc. **6.**

Melittobia strandi **sp. n.** Germany pp. 16–21 figs., WOLFF & KRAUSSE Arch. Natg. **86** A 12 (1920) 1921.

Necremnus leucarthros notes on pp. 142–144, CHAMBERLIN Proc. Ent. Soc. Wash. **27.**

Paraphytis **gen. n.** (near *Aphytis* & *Marietta*) p. 129, *vittata* **sp. n.** China p. 130 figs., COMPERE Trans. Amer. Ent. Soc. **51.**

Pleuropachus auratus **sp. n.** Tunisia p. 288, MASI Ann. Mus. Gen. **50.**

Proacrias **gen. n.** (near *Pedobius*) p. 96, *coffeae* **sp. n.** Brazil p. 97 fig., VON IHERING Rev. Mus. Paul. **9** 1914.

Pteroptrix australis **sp. n.** Chile p. 24 fig., BRÈTHES An. Zool. aplic. **3** 1916.

Sympiesomorpha norfolcensis **sp. n.** Norfolk I. p. 173, DODD Trans. R. Soc. S. Australia **48** 1924.

Tetrastichus incertus life-history pp. 597–602, CHAMBERLIN J. Econ. Ent. **18.**—*T. clypeatus* **sp. n.** Philippines p. 102, GAHAN Phil. J. Sci. **27.**—*T. rapo* notes on pp. 246–253, GAUTIER & BONNAMOUR Rev. Path. vég. Ent. agric. **11** 1924.—*T. radiatus* bionomics pp. 122–128, HUSAIN & NATH Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Xana **gen. n.** p. 80, *nigra* **sp. n.** Poltava p. 81 figs., KURDJUMOV J. App. Ent. **1** 1917.

MYMARIDAE.

Caraphractus reductus **sp. n.** Leningrad pp. 98, 112, *cinctus* bionomics p. 103, figs., RIMSKY-KORSAKOW Trav. Soc. Nat. Leningrad **54** (2).

Gonatocerus radiculatus **sp. n.** Sweden p. 85 fig., AHLBERG Medd. Centralanst. no. **287.**

TRICHOGRAMMATIDAE.

Asynacta longicauda **sp. n.** England p. 257, BLOOD Ann. Rept. Proc. Bristol Nat. Soc. (4) **5** 1923.

Centrobia fumipennis **sp. n.** England p. 255, BLOOD t.c.

Monorthochasta nigra **sp. n.** England p. 257, BLOOD t.c.

Neocentrobia **gen. n.** *hirticornis* **sp. n.** England p. 254, BLOOD t.c.

Orthoneura bimaculata **sp. n.** England p. 257, BLOOD t.c.

Trichogramma evanescens biology pp. 171–224 fig., HASE Arb. biol. Reichsanst. **14**; morphology pp. 225–230 fig., HINTZELMANN Arb. biol. Reichsanst. **14.**

Cynipoidea.

CYNIPIDAE.

Oak galls of Cynipidae, BURKILL Entomologist **58** p. 219.

Notes on Danish gall-flies, HOFFMEYER Ent. Medd. **16** pp. 1–8.

Genera and species of Cynipinae of the Iberian Peninsula, TAVARES Brotéria **22** pp. 84–98.

Revision of the Cynipoidea of Connecticut with keys, VIERECK Conn. N. H. Surv. Bull. **22** 1916 pp. 361–442, 767–772 1 fig.

Andricus ramuli new to Denmark p. 239, HENRIKSEN Ent. Medd. **14** 1924.

Aulacidea macula **sp. n.** Finland p. 53, FORSIUS Medd. Soc. Faun. Fl. Fenn. **47** 1921.

Aylax glechomae ♂ described p. 124, DETTMER Natuurhist. Maandblad **14**.

Eucoela (*Hexamerocera*) *eobrasiliensis* **sp. n.** Brazil p. 224 fig., VON IHERING Rev. Mus. Paul. **9** 1914.

Euschmitzia **gen. n.** *rara* **sp. n.** Holland p. 122, DETTMER Natuurhist. Maandblad **14**.

Figites rubripes p. 148, *nitecens* [sic], *affinis* p. 149, *scutatus*, *rugosus* p. 150, **spp. n.** Holland, DETTMER t.c.

Neuroterus bruneus [sic] **sp. n.** Holland p. 124, DETTMER t.c.

Omalaspoides faeroeensis **sp. n.** Faroe Is. p. 427, HEDICKE Ent. Medd. **14**.

Oncaspis **gen. n.** *filigranata* **sp. n.** Holland p. 123, DETTMER Natuurhist. Maandblad **14**.

Phaenoglyphis heraclei **sp. n.** Holland p. 124, DETTMER t.c.

Ichneumonoidea.

AGRIOTYPIDAE.

Agriotypus armatus biology Europe p. 81 figs., PÉNEAU Bull. Soc. Sci. nat. Nantes (4) **2** 1922.

TRIGONALIDAE.

Trigonalys hahni biology pp. 180–182, HAVERHORST Levende Natuur **29**.

ICHNEUMONIDAE.

List of Pfankuch's papers on Ichneumonidae, ALFKEN D. ent. Zs., Berlin **1924** pp. 549–551.

New synonymy in Ichneumonidae, CUSHMAN J. Wash. Acad. Sci. **15** p. 388.

List of Ichneumonidae of Denmark, ESBEN-PETERSEN Afh. & Medd. Flora og Fauna **1924** pp. 97–108.

Records of Australian Ichneumon Flies, GIRAULT Ins. Insc. Mens. **13** pp. 35–40.

Hibernation of Ichneumonidae, HANCOCK Ent. Mo. Mag. **61** pp. 23–28.

Ichneumonid fauna of Tambov district, MEIER Repts. Bur. App. Ent. Agric. Sci. Comm. **1** 1921 pp. 80–90.

The Ichneumonids of the Government of Minsk, MEIER Rev. russe Ent. **18** 1924 pp. 213–216.

Ichneumonidae of North Schleswig, PFANKUCH Zs. wiss. Insektenbiol. **20** pp. 9–13, 57–61, 150–156, 175–182.

Revision of Palaearctic Tryphoninae, SCHMIEDEKNECHT Opusc. Ichn. Fasc. **39** pp. 3043–3122; **40** 3123–3202; **41** 3203–3282.

Revision of Ichneumonoidea of Connecticut with keys, VIERECK Conn. N. H. Surv. Bull. **22** 1916 pp. 173–360, 766–767 figs.

Preliminary revision of some Charopsinae, VIERECK Trans. R. Soc. Canada **19** Sec. 5 pp. 259–273.

Preliminary revision of Campopleginae with various keys, VIERECK Can. Ent. **57** pp. 176–181, 198–204, 223–228, 296–303.

Acanthocryptus lancifer **sp. n.** Sweden p. 6, ROMAN Ark. Zool. **17A** no. 4.

Acanthostoma insidiator Smith (= *japonicum* Kriechb.) pp. 93–101, SONAN Trans. Formosan Nat. Hist. Soc. **14** 1924.

Acanthostroblia **n. n.** for *Stroblia* Schmied. nec Pokorny p. 21, ROMAN Ark. Zool. **17A** no. 4.

Adelognathus cubiceps **sp. n.** Sweden p. 7, ROMAN t.c.

Agrothereutes key p. 330, (*Itamoplex*) *cressoni* p. 332, (*I.*) *ebenus*, (*I.*) *iroquois*, (*Allocryptus* **subgen. n.**) *hyslopi* p. 333, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Allocryptus **subgen. n.** see *Agrothereutes*.

Amblyteles key p. 344, (*Chasmias* ?) *pequoitorum*, (*C* ?) *nigratoricolor* p. 355, (*Pterocormus*) *quintilis*, (*P.*) *quadrizonatus*, (*P.*) *footei* p. 357, (*P.*) *winkleyi*, (*P.*) *brittoni* p. 358, (*Coelichneumon*) *sassacus*, (*Barichneumon*) *duplicatiformis*

p. 360, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.—*A. occisorius* **var. n.** *morvandicus* Morvan p. 12, PIC Échange [**40**] **41.**—*A. subfuscus* stages described p. 12, life-history pp. 13–15 figs., STRICKLAND Dom. Canad. Dept. Agric. Bull. **26** N.S. (Ent. Bull. **22**) 1923.

Ameloctonus fugitivus Say synonymy p. 104 ; *cuneae, congeneris, eurythemeae, certus, speciosus,* p. 223, *nematicidus, asper, degrysei, intimus, oblongus, nigridorsis, diversus, disippo, pauxillus, confusus, delicatus, fuscitarsus, banffensis,* p. 224, **spp. n.** N. America, VIERECK Can. Ent. **57.**

Angitia fenestralis biology pp. 147–150 figs., MEIER Défense des Plantes **2.**

Atractodes incrassator **sp. n.** Arctic Siberia p. 5, ROMAN Mém. Acad. Sci. Russie **29** no. 7 1914.

Barichneumon tyrolensis **sp. n.** Tyrol p. 239, HABERMEHL D. ent. Zs. **1925.**

Barytarbes virgultorum **f. n.** *albotibialis* Germany p. 178, HABERMEHL Konowia **4.**

Bassus key p. 226, (*B.*) *brittoni, pyrifolii, winkleyi, waldeni,* (*Lytopylus*) *buttricki,* (*L.*) *rugareolatus* **spp. n.** Connecticut p. 229, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Bathyplectes phytonomi, bryanti **spp. n.** N. America p. 225, VIERECK Can. Ent. **57.**—See *Campoplex.*

Brachypimpla (?) *schützeana* **sp. n.** Sweden p. 21, ROMAN Ark. Zool. **17A** no. 4.

Brephoctonus hygrotrecha **sp. n.** Connecticut p. 305, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Calliclisis collaris **sp. n.** Germany p. 82 fig., HAUPT Mitt. Ent. Gesells. Halle a. S. **11** 1917.

Campoctonoides **gen. n.** (near *Neonortonia*) key p. 177, *currani* (type), *buckelli, beaulnei* p. 296, *johanseni, harringtoni* p. 297, **spp. n.** Canada, VIERECK Can. Ent. **57.**

Campoplegidea signata p. 263, *brooksi, citriscapa* p. 264, *diversicolor, downesi* p. 265, *egregiata, edmontonensis* p. 266, *planatella, crassata, planata* p. 267, *rossi, seamansi* p. 268, *stricklandi, vadosa* p. 269, *vibecifera, okanaganensis* p. 270, *walleyi* p. 271, **spp. n.** Canada, VIERECK Trans. R. Soc. Canada **19** Sec. 5.

Campoplex key p. 263, (*C.*) *pentagoetorum,* (*C.*) *maquinnai,* (*C.*) *grossulariflorae,* (*Bathyplectes*) *etemankiakorum* p. 263, (*Hypothereutes*) *vernalis,* (*Holocremnus*) *metacomet* p. 264, (*Angitia*) *openangorum,* (*A.*) *woonandi,* (*A.*) *oedemisiformis,* (*A.*) *kiehtani,* (*A.*) *parviformis* p. 265, (*Nipiera*) *amasecontorum* p. 266, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.—*C.*, discussion of subgenera p. 104 ; *tecumseh, sulcatellus, moderatus, hullensis* p. 225, *signatus, arcanus, militaris, deceptivus, algonquinorum, grimsbyensis, erythromera, macrurus, ultimus, juxtus, militaris, aylmerensis, angularis, cavus, ontario* **spp. n.** N. America ; *ruficoxalis* **n. n.** for *ruficoxa* Vier. nec Prov. p. 226 ; (*Eulimneria*) *bakeri* **sp. n.** Quebec p. 278, VIERECK Can. Ent. **57.**—*C. photomorphus* see *Idiosomidea.*—See *Hypothereutes, Bathyplectes.*

Casinaria key p. 268 (*Pseuderipternus, Pseuderipternoides* **subgg. n.** p. 269), (*Idechthis*) *sokanakiakorum,* (*Pseudocasinaria*) *ceanothi* p. 270, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.—*C.* (*Pseuderipternoides*) *hexagonalis, neglectus, deceptus* p. 302, *pulchellus* p. 303 Canada, **spp. n.**, VIERECK Can. Ent. **57.**

Charops pulchriceps **sp. n.** Australia p. 541, GIRAULT Queensland Agric. J. **24.**

Chorinaeus thuringiacus p. 3156, *flavifrons* p. 3157, **spp. n.** Thuringia, SCHMEIDEKNECHT Opusc. Ichn. **40.**

Conopyge tolimana **sp. n.** Colombia p. 51, STRAND Zs. österr. Ent.-Ver. **6** 1921.

Cryptopyge rufobrunnea Peru p. 51, *iungatis* Bolivia, *cuschiana* Peru, *cuschiana* **var. n.** *kriegeri* Surinam p. 52, STRAND t.c.

Cryptus albus see *Hoplocryptus confector.*

Cymodusa rivalis synonymy p. 166, CUSHMAN Proc. Ent. Soc. Wash. **27.**—*C.*, N. America key p. 179, *melanocera* **sp. n.** p. 180, VIERECK Can. Ent. **57.**

Cymodusoides **gen. n.** (near *Stroblia*) *gracilis* (type), *plesius* Canada, **spp. n.** p. 74, VIERECK t.c.

Delomerista laevifrons Thoms. (= *strandi* Ulbr.) p. 7, ROMAN Mém. Acad. Sci. Russie **29** no. 7 1914.

Diadegma ruficruris, costata, partis, curticauda, planata, **spp. n.** N. America p. 227, VIERECK Can. Ent. **57.**

Dioctes rosaceanae **sp. n.** N. America p. 227, VIERECK t.c.

Ecphora key, *alternatus* p. 202, *canadensis, grahami, erythrinus, fuscitarsatus, vancouverensis, convergens, acutus, truncatus, plesius* p. 203, *stenus, comptoniellae, parallelus, occidentalis, petiolatus, curtus, paenesessilis, laticeps, pygmaeus, minutus, obliteratella, triangularis,* p. 204, **spp. n.** N. America, VIERECK t.c.

Ecphoropsis longiceps **sp. n.** Siberia p. 13, ROMAN Mém. Acad. imp. Sci. **29** no. 7 1914.

Ephialtes arcticus **sp. n.** Arctic Siberia p. 6, ROMAN t.c.—*E. cholodkovskii* **sp. n.** Minsk p. 215, MEIER Rev. russe Ent. **18** 1924.

Eujoppa tertia Surinam, *acutipyga* Peru, **spp. n.** p. 59, STRAND Zs. österr. Ent.-Ver. **8** 1923.

Exenterus oriolus new to France p. 88, MANEVAL Bull. Soc. ent. Fr. **1925.**

Exetastes albomaculatus **sp. n.** Russia p. 88, MEIER Repts. Bur. App. Ent. Agric. Sci. Comm. **1** 1921.

Exochus signatus, foveolatus **spp. n.** Germany p. 270, HABERMEHL Konowia **4.**—*E. thomsoni* **n. n.** for *crassicornis* Thoms. nec Grav. p. 3190, SCHMIEDEKNECHT Opusc. Ichn. **40**; and **41** p. 3213.

Gelis revision of in Madrid Museum pp. 133–198, key p. 158, *maroccana* Morocco p. 153, *obvia* Spain p. 154, (*Leptogelis* **subgen. n.** p. 155), (*L.*) *abulensis* p. 156, (*L.*) *ariasi* p. 157 Spain, *anataëliana* Teneriffe p. 161, *bolivari* p. 165, *seyrigi* p. 168, *iglesiasi* p. 172 Spain, *escalerai* Teneriffe p. 173, *dusmeti* Spain p. 180, *merceti* Morocco p. 185 **spp. n.**; *sulcata* **n. n.** for *Pezomachus canaliculatus* Kriechbaumer p. 192; *leiradoi* **sp. n.** Spain p. 196, figs., CEBALLOS Eos **1.**—*G. silvicola* **f. n.** *nigra* Vienna p. 269, PFANKUCH D. ent. Zs. **1925.**

Genarches sulphuratus **f. n.** *helvetica* Switzerland p. 175, HABERMEHL Konowia **4.**

Hadrodactylus pygmaeus **sp. n.**; *fugax* **f. n.** *nigriventris* Germany p. 170, HABERMEHL t.c.

Hemiteles synonymy of Gravenhorst's spp. p. 257, PFANKUCH D. ent. Zs. **1925.**—*H.*, key p. 337, (*Zamicrotoridea* **subgen. n.**) *orbiformis,* (*Eriplanus*) *metacomet,* (*Zoophthorus*) *nigricaniformis,* (*Idemum*) *crassiformis,* (*Ethelurgus*) *lonicerae,* (*Rhadinocera*) *algonquinus,* **spp. n.** Connecticut p. 340, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Henicospilus flavivenae p. 538, *ruskini, longinotus, sinuatus* **spp. n.**, *melanospilus* **var. n.** *rex* p. 539, *consobrinus* **sp. n.** p. 540 Australia, GIRAULT Queensland Agric. J. **24.**

Holocremna pallidipes **sp. n.** New Siberia Is. p. 14, ROMAN Mém. Acad. imp. Sci. **29** No. 7 1914.

Homaspis narrator **f. n.** *semirufa* Germany p. 169, HABERMEHL Konowia **4.**—*H. kraussei* **sp. n.**; *narrator* **varr. n.** *lugubris, medialis* Germany p. 22, ULBRICHT Arch. Natg. **86** A 12 (1920) 1921.

Hoplocryptus occisor, biology p. 88 fig., MANEVAL Bull. Soc. ent. Fr. **1925.**—*H. confector* Grav. (= *Cryptus albus* Taschb. & *Spilocryptus migrator* Grav. f. *enslini* Hab.) p. 334, HABERMEHL D. ent. Zs., Berlin **1925.**

Hypamblys romani p. 273, *genalis* p. 274, **spp. n.** Germany, HABERMEHL Konowia **4.**

Hyposoter fugitivus p. 165, *pilosulus* p. 166, synonymy discussed, CUSHMAN Proc. Ent. Soc. Wash. **27.**

Hypothereutes key, *impetitus, clarus, acceptus, concisus,* **spp. n.** N. America p. 204, VIERECK Can. Ent. **57.**—See *Campoplex.*

Ichneumon neglectus **sp. n.** Germany p. 238, HABERMEHL D. ent. Zs. **1925.**—*I. maklini* new to France p. 88, MANEVAL Bull. Soc. ent. Fr. **1925.**—*I. castaneiventris* **varr. n.** *binigronotatus, vulcanius* France p. 12, PIC Échange [40] **41.**—*I.* key p. 3, *lariae* **var. n.** *asiaticus* Arctic Siberia p. 2, ROMAN Mém. Acad. imp. Sci. **29** no. 7 1914.

Idiosomidea **gen. n.** for *Campoplex photomorphus* Viereck Alberta p. 271, VIERECK Trans. R. Soc. Canada **19** Sec. 5.

Ischnoscopus alterus, mitralis, truncatellus, vinalis, angustus, largo **spp. n.** N. America p. 223, VIERECK Can. Ent. **57.**

Joppa brasilensis **var. n.** *chanchamajonis* Peru ; *mellea* **varr. n.** *corniconis, claripicta* Colombia p. 64 **6** 1921 ; *macrojoppides* **sp. n.** Surinam ; *antennator* **varr. n.** *pozuzonis* Peru, *surinamicola, surinamica* Surinam, *marcapatae* Peru p. 7 ; *xanthostigma* **var. n.** *cameroni* Bolivia p. 24 ; *barticana* Br. Guiana, *ibaguensis* Colombia, *vilcanotae* (with **var. n.** *pata*) Peru p. 42 **spp. n.** ; *varipes* **var. n.** *columbinia* Colombia, *marcapatensis* Peru, *surinamiae, vinzei* Surinam **spp. n.** p. 43 **7** 1922 ; *mea* Br. Guiana, *labroides* p. 26, *nitidinotum* Peru p. 27, *pleuralis* (with **varr. n.** *claripleuralis* Surinam, *aberratinus* Bolivia) p. 58 **spp. n.** **8** 1923, STRAND Zs. österr. Ent.-Ver.

Kaltenbachia kokujevi **sp. n.** Minsk p. 215, MEIER Rev. russe Ent. **18** 1924.

Lampronota borealis **sp. n.** Sweden p. 20, ROMAN Ark. Zool **17 A** no. 4.

Leptogelis **subgen. n.** see *Gelis.*

Limneria rivalis, ♀ see *Cymodusa,* ♂ see *Hyposoter pilosulus.*

Lissonota (?) *vernalis* **sp. n.** Sweden p. 24 (= *magdalene* Pfank. p. 34), ROMAN Ark. Zool. **17 A** no. 4.—*L.* key p. 313, *cressoni* **n. n.** for *occidentalis* Cresson, *philipi* **sp. n.** Connecticut p. 314, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Lophyroplectus luteator biology & metamorphosis p. 24 fig., SITOWSKI sep. from Roczniki Nauk Rolniczych i Lesnych **14.**

Macrojoppa nigrissimicornis, altibia, imitatrix p. 57, *pseudorufa* p. 58, **spp. n.** Peru, STRAND Zs. österr. Ent.-Ver. **6** 1921.

Mesochorus australicus **sp. n.** Australia p. 541, GIRAULT Queensland Agric. J. **24.**—*M.* key p. 277, *calais* **sp. n.** Connecticut p. 280, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Mesoleius strobli **n. n.** for *flavipes* Strobl ♂, nec *Tryphon flavipes* Grav. ♂, nec *M. flavipes* Brischke ♂ p. 180 ; *intermedius* **f. n.** *nigroscutellata* ; *castaneus* p. 181, *thuringiacus* p. 183, *ornatus* p. 185, **spp. n.** Germany, HABERMEHL Konowia **4.**—*M. holmgreni* **n. n.** for *formosus* Holm. nec Grav. p. 3098, SCHMIEDEKNECHT Opusc. Ichn. **40.**

Mesostenus arvalis see *Polistiphaga.*

Metacoelus anglicus **sp. n.** Guernsey, p. 3166, SCHMIEDEKNECHT Opusc. Ichn. **40.**

Microcryptus (*Aptesis*) *laticeps* **sp. n.** Siberia p. 4, ROMAN Mém. Acad. imp. Sci. **29** no. 7 1914.

Myersia harringtoni, nigra **spp. n.** Canada, p. 73, VIERECK Can. Ent. **57.**

Nemeritis key, *uniformis, erythromerus, melanomerus, lyonetiae, dolichourus, brachyurus, oculus, ocellatus, conodor* p. 178, *solus, trachas, decoratus, laevis* p. 179 **spp. n.** N. America, VIERECK t.c.

Neonortonia key p. 179, *nigripes, graciliforma* p. 300, *hullensis, scaposa, laevissima, crassata* p. 301, **spp. n.** Canada, VIERECK t.c.

Neopristomerus stoneri **sp. n.** Antigua p. 8, VIERECK Univ. Iowa Studies **11.**

Neostricklandia **gen. n.** (near *Dapanus*) *sericata* **sp. n.** Alberta p. 75 fig., VIERECK Can. Ent. **57.**

Nothanomaloides **gen. n.** *stenosomus* **sp. n.** Ontario p. 272, VIERECK Trans. R. Soc. Canada **19** Sec. 5.

Ophion partithorax **sp. n.** Australia p. 540, GIRAULT Queensland Agric. J. **24.**

Ophthalmochorus **n. n.** for *Plesiophthalmus* Först. nec Mot. p. 29, ROMAN Ark. Zool. **17 A** no. 4.

Otlophorus castaneus **sp. n.** Germany p. 275, HABERMEHL Konowia **4.**

Perilissus holmgreni **n. n.** for *pallidus* Holmgr. nec Grav. p. 13 ; *moravicus* **sp. n.** Moravia p. 14, HABERMEHL Konowia **4.**

Perosis fuscitarsis **sp. n.** Germany p. 77, HAUPT Mitt. Ent. Ges. Halle a. S. **11** 1917.

Pezomachus canaliculatus see *Gelis sulcata.*

Phygadeuon genalis **sp. n.** Germany p. 240, HABERMEHL D. ent. Zs. **1925.**—*P.*, key p. 333, (*Bachia* ?) *tumidiformis,* (*B* ?) *brittoni,* (*B* ?) *auriculiferus,* (*Plesignathus*) *nortoni,* (*P.*) *quintilis,* (*P.*) *melanocerus,* (*P.*) *taeniatus,* (*Scinacopus* ?) *orbitaliformis,* **spp. n.** Connecticut p. 336, VIERECK Conn. N. H. Surv. Bull. **22** 1916.—*P. conifrons* **sp. n.** Sweden p. 10, ROMAN Ark. Zool. **17 A** no. 4.—*P. grandis* see *Pygocryptus, bitinctus* see *Sternocryptus.*

Pimpla holmgreni var. **n.** *rubrofascialis* Russia p. 89, MEIER Repts. Bur. App. Ent. Agric. Sci. Comm. **1** 1921.—*P. examinator*, biology, morphology pp. 202–212, 12 figs., MEIER Zs. angew. Ent. **11**.—*P. rapae* **sp. n.** no locality pp. 501–510, UCHIDA Sapporo J. Soc. Agric. & Forestry **16**.

Plectiscidea key p. 275 (*Aperileptus* ?) *contentionis* **sp. n.** Connecticut p. 276, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Plesiophthalmus see *Ophthalmochorus*.

Polistiphaga **gen. n.** for *Mesostenus arvalis* Cresson p. 391, CUSHMAN J. Wash. Acad. Sci. **15**.

Polyblastus palustris **sp. n.** Ohmoor [? Germany] p. 10, HABERMEHL Konowia **4**.

Polysphincta glabrinotum **sp. n.** Australia p. 541, GIRAULT Queensland Agric. J. **24**.—*P. pontiaci* **sp. n.** Connecticut p. 318, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Pristomerus bicinctus **sp. n.** Australia p. 540, GIRAULT Queensland Agric. J. **24**.—*P. olamonus* **sp. n.** Connecticut p. 274, VIERECK Conn. N. H. Surv. Bull. **22** 1916.—*P. idei* **sp. n.** Ontario p. 74, VIERECK Can. Ent. **57**.

Promethes nigriventris ? f. *nigroscutellata* Hab. described p. 265, HABERMEHL Konowia **4**.

Pseuderipternoides **subgen. n.** see *Casinaria*.

Pseuderipternus **subgen. n.** see *Casinaria*.

Pygocryptus **gen. n.** for *Phygadeuon grandis* Thoms. p. 9, ROMAN Ark. Zool. **17 A** no. 4.

Pyracmon key, *ruficinctum, albicinctum, fossatum, patulum, macdunnoughi* **spp. n.** N. America p. 180, VIERECK Can. Ent. **57**.

Pyracmonoides **gen. n.** key p. 177, *separatum* (type) p. 298, *lipoparium, trochantericum* p. 299, *succineum, atypicum* p. 300, **spp. n.** Canada, VIERECK Can. Ent. **57**.

Rhimphalea erythrogastra **sp. n.** Connecticut p. 296, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Rhyssa fractinervis oviposition p. 31, LINDSAY N. Z. J. Sci. & Tech. **8**.

Sagaritis key, *lipopus, lipomerus, bigelowi, cingulatus, medius, rufosignatus, unicolor, diversus, intermedius, atypicus, downsi, xanthotaenius, latus, apicalis* p. 198, *hexagonalis, atkinsoni, incompletus, nigrisignatus, beaulieui, melanosomus, gorhami, nigricoxus, rufiscapus, signatus, hoppingi, trackas, strigosus, evansi, englishi, trochanteralis* p. 199, *twinni, linearis, septentrionalis, kingi, tibialis, chrystali, melanomerus, apicata, interruptus, imperfectus, aequalis, conspicuosus, inconspicuosus, citrinus, julius, maius, teulonensis, laevis, melanocerus* p. 200, *stramineiscapus, nigriscaposus, garretti, basalis, taylori, modestus, ruficrus* p. 201, **spp. n.** N. America, VIERECK Can. Ent. **57**.—*S. conjunctiformis, patsuiketorum* p. 262, *aprilis* p. 263, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Scambus key p. 318, (*S.*) *tecumseh* **sp. n.** Connecticut p. 320, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Scopesus thomsoni **n. n.** for *rufonotatus* Thoms. nec Holmgr. p. 180, HABERMEHL Konowia **4**.

Sesioplex key p. 177, *heliaeformis, relativus* **spp. n.** Ontario p. 298, VIERECK Can. Ent. **57**.

Spilocryptus, notes pp. 102–111, *adustus* **f. n.** *tunetanus* Tunis p. 108, HABERMEHL N. Beitr. syst. Insektenk. **3**.—*S. migrator* **f. n.** *enslini* Bavaria p. 240, HABERMEHL D. ent. Zs. **1925**; see *Hoplocryptus confector*.

Stenichneumon pygmaeus **sp. n.** Germany p. 238, HABERMEHL t.c.

Stenodontus malaisei **sp. n.** Sweden p. 2, ROMAN Ark. Zool. **17 A** no. 4.

Stenomacrus terrestris **sp. n.** Siberia p. 11, ROMAN Mém. Acad. imp. Sci. **29** no. 7 1914.

Sternocryptus **gen. n.** for *Phygadeuon bitinctus* Gr. p. 12, ROMAN Ark. Zool. **17 A** no. 4.

Stictopisthus africanus **sp. n.** Sudan p. 263 fig., FERRIÈRE in VAYSSIÈRE & MIMEUR Agron. colon. no. 90.

Stroblia see *Acanthostroblia*.

Syndipnus rufiventris **sp. n.** Germany p. 173, HABERMEHL Konowia **4**.—*S. birulai* **sp. n.** New Siberia Is. p. 8, ROMAN Mém. Acad. imp. Sci. **29** no. 7 1914.

Tanera speciosa **sp. n.** Australia p. 37, GIRAULT Ins. Insc. Mens. **13.**

Thalessa parvula **sp. n.** Minsk p. 215, MEIER Rev. russe Ent. **18** 1924.

Therion key p. 286, *sassacus*, *waccagum* **spp. n.** Connecticut p. 287, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Thysiotorus key to N. American spp., *seamansi* p. 77, *conjunctus* Alberta, *tegularis* Br. Columbia p. 78, **spp. n.**, VIERECK Can. Ent. **57.**

Trogus nigrocinctus **sp. n.** New York p. 306, HASEY Ent. News **36.**

Tropistes rugulosus **sp. n.** Germany p. 86, HAUPT Mitt. Ent. Ges. Halle a. S. **11** 1917.

Tryphon abnormis **sp. n.** Germany p. 7, HABERMEHL Konowia **4.**

Xaniopelma funebris **sp. n.** Germany p. 18, HABERMEHL t.c.

Xanthopimpla key to spp. in Sauter's collection p. 41, *grandis* p. 43, *conica* p. 45, *annulata* p. 47, *brevicauda*, *pleuralis* p. 49, **spp. n.** Formosa, CUSHMAN Ent. Mitt. **14.**—*X. xanthostigma* **sp. n.** Australia p. 38, GIRAULT Ins. Insc. Mens. **13.**

Xylonomus baueri **sp. n.** Germany p. 79, HAUPT Mitt. Ent. Ges. Halle a. S. **11** 1917.

Zacrestoides **gen. n.** type *euphydryadis* pp. 177, 179, *intermedia* p. 179 **spp. n.** N. America, VIERECK Can. Ent. **57.**

Zamicrotoridea **subgen. n.** see *Hemiteles.*

Zaplatystoma **gen. n.** p. 177, key p. 180, *ocellatum*, *egregium*, *mimeticum*, *simplex*, *typicum*, *latum*, *cinereum*, *petiolatum*, *decorum*, *johnsoni* p. 181, **spp. n.** N. America, VIERECK Can. Ent. **57.**

BRACONIDAE.

Synonymy and new records of Indian Braconidae, DOVER Ent. Mitt. **14** pp. 39–40.

Revision of Palaearctic Braconidae, FAHRINGER Opusc. Bracon. **1** Lief. 1 pp. 1–60 figs.

Biological notes on Braconidae new to Britain, LYLE Ent. Mo. Mag. **61** p. 118.

Catalogue of Indian Braconidae, RAMAKRISHNA AYYAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 352–362.

Aleiodes key p. 235, *waldeni* **sp. n.** Connecticut p. 236, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Apanteles paraguayensis **sp. n.** Paraguay p. 68, BRÈTHES Rev. chil. Hist. nat. **28** 1924.—*A. xanthostigmus* **var. n.** *anarsiae* France p. 283 fig., FAURE Rev. Zool. agric. & appl. **23** 1924.—*A. syleptae* **sp. n.** French W. Africa p. 259 fig., FERRIÈRE in VAYSSIÈRE & MIMEUR Agron. colon. no. 90.—*A. angustibasis* **sp. n.** Philippines p. 85, GAHAN Phil. J. Sci. **27.**—*A. gabrielis* further description pp. 167–170, GAUTIER & RIEL Bull. Soc. ent. Fr. **1925**; biology pp. 138–147 10 figs., ZORIN Défense des Plantes **2.**—*A. anomalus* p. 119, *cupreus* p. 120 **spp. n.**; *nigripes* redescribed p. 122 Britain, LYLE Ent. Mo. Mag. **61.**—*A. smerinthii* **sp. n.** Japan p. 83 figs., MATSUMURA in MIYOSHI Insect World **27** 1923.—*A. glomeratus* morphology & biology pp. 377–378, OLENEV Défense des Plantes **2.**—*A. brethesi* **sp. n.** Chile p. 45, PORTER An. Zool. aplic. **4** 1917.—*A. solitarius* biology pp. 103–105 fig., PRELL Anz. Schädlingsk. **1.**—*A. macromphaliae* **sp. n.** Chile p. 63 fig., SILVA FIGUEROA An. Zool. aplic. **4** 1918.—*A. laeviceps* stages described p. 10, life-history pp. 11–12 figs., STRICKLAND Dom. Canad. Dept. Agric. Bull. **26** N.S. (Ent. Bull. **22**) 1923.—*A.*, key p. 184, (*Protapanteles*) *agricola*, (*P.*) *winkleyi*, (*P.*) *obscuricornis* p. 192, (*P.*) *augustus* p. 194, (*A.*) *housatannuckorum*, (*A.*) *miantonomoi*, (*A.*) *melanopus*, (*A.*) *pequodorum* p. 198, (*A.*) *maquinnai*, (*A.*) *conanchetorum* p. 199, (*A.*) *ninigretorum*, (*A.*) *nipmuckorum* p. 200, **spp. n.** Connecticut figs., VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Aphidius key p. 259, (*Trioxys*) *exareolatus* **sp. n.** Connecticut p. 260, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Ascogaster canifrons **var. n.** *zernyanus* Styria p. 102, FAHRINGER Ann. Nat.-Hist. Mus. Wien **38.**

Asobara lineata **sp. n.** Connecticut p. 213, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Glyptomastix from p. 279

Aspilota hastata **sp. n.** Faroe Is. p. 416, ROMAN Ent. Medd. **14**.—*A. ephemera* **sp. n.** Connecticut p. 213, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Atanycolus wagneri **sp. n.** Dalmatia p. 99, FAHRINGER Ann. Nat.-Hist. Mus. Wien **38**.

Blacus key to British spp. p. 54, further descriptions p. 55 & 77, LYLE Entomologist **58**.

Bonnetia comta stages described p. 29, life-history pp. 33–37 figs., STRICKLAND Dom. Canad. Dept. Agric. Bull. **26** N.S. (Ent. Bull. 22) 1923.→ Tachinidae p. 357.

Bracon key p. 236, (*Agathis*) *sassacus*, (*A.*) *solidaginis*, (*A.*) *branfordensis* **spp. n.** Connecticut p. 231, VIERECK Conn. N. H. Surv. Bull. **22** 1916.—*B. maidli* **sp. n.** Dalmatia p. 101, FAHRINGER Ann. Nat.-Hist. Mus. Wien **38**.

Bucculatriplex secundus **sp. n.** Connecticut p. 765, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Calyptus gigas **sp. n.** Albania, Montenegro p. 103, FAHRINGER Ann. Nat.-Hist. Mus. Wien **38**.

Cecidobracon brasiliensis Kieff. & Tav. **sp. n.** ♀ Brazil p. 50, TAVARES Brotéria **22**.

Chelonella hoppingi p. 71, *plesius* p. 72, **spp. n.** Br. Columbia, VIERECK Can. Ent. **57**.

Chelonus pygmaeus **sp. n.** Br. Columbia p. 72, VIERECK Can. Ent. **57**.—*C.*, key p. 232, (*C.*) *konkaputus*, (*C.*) *sassacus*, *mysticorum*, **spp. n.** Connecticut p. 233, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Coelinidea occom **sp. n.** Connecticut p. 212, VIERECK t.c.

Colastes testaceus **sp. n.** Paraguay p. 68, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Cosmophorinus **subgen. n.** see *Cosmophorus*.

Cosmophorus klugii redescribed p. 198; *henscheli*, *cembrae* **spp. n.** Tyrol p. 200, RUSCHKA Zs. angew. Ent. **11**.—*C. henscheli*, morphology, biology pp. 187–196 fig., SEITNER & NÖTZL Zs. angew. Ent. **11**.—*C.* (*Cosmophorinus* **subgen. n.**) *dendroctoni* **sp. n.** N. Brunswick p. 73, VIERECK Can. Ent. **57**.

Dacnusa sachemella **sp. n.** Connecticut p. 213, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Dendrosoter caenopachoides **sp. n.** Dalmatia p. 201, RUSCHKA Zs. angew. Ent. **11**.

Dinocampus terminatus larval development pp. 1–27 figs., OGLOBLIN Věstníku Král. Čes. Společ. Nauk. Tř. **2** 1924.—*D. pyri* **sp. n.** Connecticut p. 225, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Ericoelinius mahackemoi **sp. n.** Connecticut p. 212, VIERECK t.c.

Habrobracon brevicornis effect of environment on variation pp. 143–183, habits & morphology pp. 184–202 figs., GENIEYS Ann. Ent. Soc. Amer. **18**; detailed biology pp. 96–168 figs., HASE Arb. biol. Anst. Berlin **11** 1922.—*H. juglandis* genetic factors pp. 91–116, HAUBER Genetics **10**; inheritance of sterility, etc. pp. 33–58 figs., WHITING Genetics **10**.—*H. variabilis* see *Microbracon cushmani*.

Heterospilus beameri p. 177, *cephi* p. 178, *melanocephalus* p. 181 U.S.A., *etielliae* Porto Rico 179, *zeteki* Panama p. 180, **spp. n.** fig., ROHWER J. Wash. Acad. Sci. **15**.—*H. eurostae* **sp. n.** Connecticut p. 238, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Iphiaulax (*Monogonogastra*) *augustus* **sp. n.** Connecticut p. 210, VIERECK t.c.

Macrocentrus key p. 219, *pyraustae* **sp. n.** Connecticut p. 220, VIERECK t.c.

Macrodyctium politum see *Microbracon ashmeadi*.

Meteorus dimidiatus stages described p. 6, life-history pp. 7–10 figs., STRICKLAND Dom. Canad. Dept. Agric. Bull. **26** N.S. (Ent. Bull. 22) 1923.—*M.* key p. 222, *petiolariferus*, *pretiosus* p. 223, *exareolatus* p. 224, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Microbracon synonymy & revision of species occurring in N. America pp. 1–85, key p. 7, *punctatus* p. 24, *sphenophori* p. 25 **spp. n.** U.S.A.; *cushmani* **n. n.** for *Habrobracon variabilis* Cush. p. 29; *pyralidiphagus* **sp. n.** Louisiana p. 34; *ashmeadi* **n. n.** for *Macrodyctium politum* Ashm. p. 42; *rudbeckiae* p. 45, *tenuiceps* p. 46, *tychii* p. 51, *pini* p. 52, *sesiae* p. 53, *thurberiphagae* p. 54, *pityophthori* p. 55,

laemosacci p. 56, *oenotherae* p. 62, *tachypteri* p. 68, *geraei* p. 74, *cerambycidiphagus* p. 76, **spp. n.** U.S.A. figs., MUESEBECK Proc. U. S. Nat. Mus. **67** art. 8.—*M. quintilis* **sp. n.** Antigua p. 7, VIERECK Univ. Iowa Studies **11.**—*M.* key p. 204, *wawequa, sebequanash* p. 206, *quinnipiacorum, podunkorum, nawaasorum, konkapoti, scanticorum, massasoit* p. 207, *metacomet, hobomok, uncas, montowesei* p. 208, *connecticutorum* p. 209, **spp. n.** Connecticut, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Microgaster key p. 201, (*Diolcogaster*) *solidaginis*, (*M.*) *brittoni*, (*M.*) *congregatiformis*, **spp. n.** Connecticut p. 202, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Microplitis decipiens **sp. n.** biology Germany p. 140, PRELL Zs. wiss. Insektenbiol. **20.**—*M.*, key p. 202, *waldeni, quintilis, varicolor* **spp. n.** Connecticut p. 204, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Opius lepidus **sp. n.** Philippines p. 86, GAHAN Phil. J. Sci. **27.**—*O.* (*Chilotrichia*) *hyoscyamiellus* **sp. n.** Quebec p. 278, VIERECK Can. Ent. **57.**—*O.* key p. 182, (*Allotypus*) *exareolatus*, (*Hypolabis*) *pequodorum*, (*Desmiostoma*) *novaeangliae*, **spp. n.** Connecticut p. 183, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Orgilus detectiformis **sp. n.** Connecticut p. 226, VIERECK t.c.

Parabraconia **gen. n.** p. 3121, *nigripennis* **sp. n.** Trieste p. 3122, SCHMIEDEKNECHT Opusc. Ichn. **39.**

Pentapleura foveolata **sp. n.** Connecticut p. 213, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Perilitus melanopus biology pp. 132–146, SPEYER Zs. angew. Ent. **11.**

Phaenocarpa (*Asobara*) *bactrocerae* **sp. n.** Philippines p. 88 fig., GAHAN Phil. J. Sci. **27.**

Philomacroplaea basimacula figured p. 264, RAMAKRISHNA AYYAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Polystenidea metacomet **sp. n.** Connecticut p. 238, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Praon pequodorum **sp. n.** Connecticut p. 259, VIERECK t.c.

Pygostolus British spp. further described p. 35, LYLE Entomologist **58.**

Rhizarcha dampfella **sp. n.** Faroe Is. p. 419, ROMAN Ent. Medd. **14.**

Rhogas tristis **abb. n.** *nigra, thoracicus* Albania p. 101, FAHRINGER Ann. Nat.-Hist. Mus. Wien **38.**—*R. mimeuri* **sp. n.** Senegal p. 150 fig., FERRIÈRE in VAYSSIÈRE & MIMEUR Agron. colon. no. 90.

Sigalphus primus **sp. n.** Argentina p. 60 fig., BRÈTHES Rev. Facultad Agronomia **16.**

Spathius key to Philippine, *dinoderi* **sp. n.** Philippines p. 74 fig., GAHAN Phil. J. Sci. **27.**

Synaldis key p. 214, *pygmaea, quinnipiacorum* **spp. n.** Connecticut p. 215, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Troporhogas maculipennis figured p. 265, RAMAKRISHNA AYYAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Urosigalphus key p. 233, *mohawkorum, wampanoagorum*, **spp. n.** Connecticut p. 232, VIERECK Conn. N. H. Surv. Bull. **22** 1916.

Vipio appellator **varr. n.** *bilobatus, striolatus, obscurus* p. 35; *intermedius* **varr. n.** *szepligetti, aegyptiaca* p. 39; *nominator* **varr. n.** *szepligetti, nigroscutellatus* p. 43, *minutus* p. 44 Palaearctic, FAHRINGER Opusc. Bracon. **1** Lief. 1.

EVANIIDAE.

†*Mesaulacinus* **gen. n.** *oviformis* **sp. n** Turkestan p. 575 fig., MARTYNOV Bull Acad. Sci. Russ. **19.**

Tenthredinoidea.

TENTHREDINIDAE.

Gall making Tenthredinidae, keys, descriptions, DITTRICH Zoologica **24** 61 Lief. iv 1924 pp. 587–635, 10 pls.

The Tenthredinidae of Arctic Ural, ENSLIN Mém. Acad. Sci. Russ. **28** no. 14 1919 10 pp.

Notes on some Finnish Tenthredinids with descriptions of early stages, FORSIUS Medd. Soc. Faun. Fl. Fenn. **45** 1920 106–115, 165–184; **46** 1921 pp. 84–91 figs.

Revision of Tenthredinoidea with various keys, MacGillivray Conn. N. H. Surv. Bull. **22** 1916 pp. 25–175, 761–764 figs.

The pupal stage in sawflies, Oudemans Ent. Ber. **6** pp. 337–339.

Sawflies of Devonshire with biological and structural notes, Perkins Trans. & Proc. Torquay Nat. Hist. Soc. **4** 1924 pp. 166–174.

Tenthredinids new to Poland, Ruszkowski Polsk. Pismo ent. **4** pp. 14–18.

List of Pamphiliidae of Japan, Takeuchi Insect World **27** 1923 pp. 362–366 1 fig.

Allantus brevicornis **var. n.** *nigripleuris* Polar Ural p. 9, Enslin Mém. Acad. Sci. Russ. **28** no. 14 1919.—*A. bifasciatus* **varr. n.** *arvernicus, diversiventris, reductenotatus* p. 12; *koehleri* **varr. n.** *biinterruptus, uniinterruptus, multiinterruptus, notaticornis* p. 14; *vespa* **varr. n.** *martialis, royatensis, ligeris, diversicornis*; *theresae* France, *diversipes* **spp. n.** Algeria p. 15, Pic Échange [**40**] **41**.

†*Amasis byrami* **sp. n.** Eocene, Colorado p. 10 fig., Cockerell Proc. U. S. Nat. Mus. **64** art. 13 1924.—*A. sarta* **sp. n.** Turkestan p. 133; *lateralis* **subsp. n.** *sibirica* Siberia p. 132 fig., Kusnezow-Ugamsky Konowia **4**.

Amauronematus zaitzevi **sp. n.** Polar Ural p. 4, Enslin Mém. Acad. Sci. Russ. **28** no. 14 1919.—*A. excellens* **sp. n.** Finland p. 30, Forsius Medd. Soc. Faun. Fl. Fenn. **46** 1921.

†Anaxyelidae **fam. n.** p. 754, Martynov Bull. Acad. Sci. Russ. **19**.

†*Anaxyela* **gen. n.** *gracilis* **sp. n.** Turkestan p. 754 figs., Martynov t.c.

Arge aesculapii **sp. n.** Transvaal p. 107, Forsius Not. ent. **5**.—*A. dimidiata* **var. n.** *aeneoviridescens* Lithuania p. 335, Bischoff Abh. Bayer. Akad. Wiss. Suppl. [**5**].—*A. kongauensis, nyemitawa* p. 3, *paganiformis* p. 4, **spp. n.** Siberia, Rohwer Proc. U. S. Nat. Mus. **68** art. 8.

Athalia proxima **var. n.** *funebris* Sumatra p. 91, Forsius Not. ent. **5**.

Conaspidia bergrothi **sp. n.** Japan p. 109, Forsius t.c.

Corporaalinus **gen. n.** type *azureus* p. 86, *cyanescens* p. 87, **spp. n.** Sumatra, Forsius t.c.

Corymbas koreana ♀ described p. 108, Forsius t.c.

Dolerus okeanskajensis **sp. n.** Siberia p. 5, Rohwer Proc. U. S. Nat. Mus. **68** art. 8.

Hoplocampa pyricola Rohw. distinct from *minuta* Christ p. 519, bionomics pp. 505–519, Harukawa Ber. Ôhara Inst. **2** 1924.

Hoplocampoides xylostei new to Denmark p. 239, Henriksen Ent. Medd. **14** 1924.

Janus piri **sp. n.** Korea p. 10 figs., Okamoto & Muramatsu Bull. Agric. Expt. Sta. Govt.-Gen. Chosen **2**.

Lophyrus pini respiration p. 638 figs., du Buisson Bull. Classe Sci., Brussels **10** 1924; dioxyphenylalanin in cocoons, p. 664, Sciacchitano Arch. Mikr. Anat. **104**.—*L. sertifer* development & biology p. 22 fig., Sitowski sep. from Roziki Nauk Rolniczych i Lesnych **14**.

Lyda clypeata biology Potsdam pp. 13–32, 81–89 figs., Schulze Zool. Anz. **63**.

Lygaeonematus erichsoni life-history pp. 100–128 fig., Dobrodeev Repts. Bur. App. Ent. Agric. Sci. Comm. **1** 1921.—*L. kuznetzovorum* **sp. n.** Polar Ural p. 5, Enslin Mém. Acad. Sci. Russ. **28** no. 14 1919.

Macrophya apicalis **var. n.** *infumata* Siberia p. 7, Rohwer Proc. U. S. Nat. Mus. **68** art. 8.—*M. rustica* **varr. n.** *martialis, luteonotata* France p. 12, Pic Échange [**40**] **41**.

Megalodontes (*Rhipidioceros*) *siberiensis* **sp. n.** Siberia p. 1, Rohwer Proc. U. S. Nat. Mus. **68** art. 8.

Nematus crassus larva described, p. 288, Heinrich D. ent. Zs., Berlin **1925**.

Neodiprion (*N.*) *banksianae* **sp. n.** Minnesota p. 115, Rohwer Proc. Ent. Soc. Wash. **27**.

Neurotoma nemoralis morphology & biology pp. 150–213 figs., Paillot Ann. Epiphyties **10** 1924.

†Paroryssidae **fam. n.** p. 755, Martynov Bull. Acad. Sci. Russ. **19**.

†*Paroryssus* **gen. n.** *extensus* **sp. n.** Turkestan p. 756 figs., MARTYNOV t.c.

Platycampus victoria see *Trichiocampus viminalis.*

Pontania phylicifoliae **sp. n.** Helsingfors p. 165, FORSIUS Medd. Soc. Faun. Fl. Fenn. **45** 1920.

Pristiphora chromata **sp. n.** Siberia p. 11, ROHWER Proc. U. S. Nat. Mus. **68** art. 8.

Pseudopoppia **gen. n.** *metallescens* **sp. n.** Sumatra p. 90, FORSIUS Not. ent. **5.**

Pteronidea pseudonotabilis **var. n.** *simplex* Finland p. 28, FORSIUS Medd. Soc. Faun. Fl. Fenn. **46** 1921.—*P. spiraeae* new to Britain p. cxv figs., MORICE Trans. Ent. Soc. Lond. **1924.**—*P. ribesii* gynandromorph and sex relations p. 61 figs., PEACOCK Brit. J. Exptl. Biol. **3.**

Pteronus similis new to Britain p. cxv figs., MORICE Trans. Ent. Soc. Lond. **1924**; male p. xxix, MORICE op. cit. **1925.**

Rhogogaster kudianus **sp. n.** Siberia p. 6, ROHWER Proc. U. S. Nat. Mus. **68** art. 8.

Stromboceros (*Neostromboceros*) *coeruleomicans* **sp. n.** Sumatra p. 93, FORSIUS Not. ent. **5.**

Tenthredella fuscoterminata, xanthotarsis distinct spp.; *cockerelli* **sp. n.** Siberia p. 10, ROHWER Proc. U. S. Nat. Mus. **68** art. 8.—*T.*, revision & morphology of New England spp. pp. 387–464 figs., SMULYAN Proc. Boston Soc. Nat. Hist. **36** 1923.

Tenthredo borae **sp. n.** Kara Tundra p. 9, ENSLIN Mém. Acad. Sci. Russ. **28** no. 14 1919.—*T. corporaali* **sp. n.** Sumatra p. 94, FORSIUS Not. ent. **5.**—*T. fuscocostalis* p. 7, *kongauana* p. 8, *kudiana* p. 9, **spp. n.** Siberia, ROHWER Proc. U. S. Nat. Mus. **68** art. 8.

Tomostethus juncivorus bionomics pp. 521–544 figs., HARUKAWA Ber. Ohara Inst. land. Forsch. **2.**

Trichiocampus viminalis Fall. ♀ (= *Platycampus victoria* MacG.) p. 43, VIERECK Can. Ent. **57.**

Trichiosoma jakovlevi **var. n.** *tinctipennis* Polar Ural p. 2, ENSLIN Mém. Acad. Sci. Russ. **28** no. 14 1919.

DIPTERA.

Structure of head in larvae of Orthorrapha - Brachycera, BISCHOFF Arch. Natg. **90** A 8 pp. 1–105 figs.

Insects found on board ship and in Spitsbergen, COLLIN Ann. Mag. N. H. (9) **16** pp. 332–337.

Histology of rectal glands in Diptera, COGNETTI DE MARTIIS Boll. Mus. Zool. Torino **39** N.S. no. 25 30 pp. figs.

Phylogenetic study of the labium of holometabolous insects with particular reference to the Diptera, CRAMPTON Proc. Ent. Soc. Wash. **27** pp. 68–91 3 pls.

Phylogenetic study of the thoracic sclerites of the non-tipuloid nematocerous Diptera, CRAMPTON Ann. Ent. Soc. Amer. **18** pp. 49–69 figs.

General notes and classification of Catalonian Diptera, ARIAS ENCOBET Entom. de Catalunya [1917 ?] 56 pp. figs.

Study of leaf-mining Diptera of North America, FROST Cornell Univ. Agric. Expt. Sta. Mem. **78** 1924 228 pp. figs.

Contribution to the study of the premandibles of larvae of Diptera Nematocera, GOETGHEBUER Encyc. ent. Ser. B II. Dipt. **1** pp. 143–157 fig.

Metamorphosis of aquatic Diptera, LÉVY Ann. Biol. lacr. **9** 1920 pp. 201–248 2 pls.

Bibliography & morphology of Diptera, MEIJERE Bronn's Klassn. Ordn. Tier-Reichs **5** Abt. III 1916 Lief. 1–4 pp. 1–64 2 pls.

Diptera of the coast of Calvados (5th list), MERCIER Bull. & Ann. Soc. ent. Belg. **65** pp. 173–182.

The ptilinus and ptilino-pharyngeal muscle in Cyclorrhapha, MERCIER & VILLENEUVE C.R. Acad. Sci. **181** p. 882.

List of Diptera of Bialowies Forest, Poland, SACK Abh. Bayer. Akad. Wiss. Suppl. [**5**] pp. 259–277.

Recent progress in our knowledge of Indian Diptera, SENIOR-WHITE Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 325–329.

The ♂ genitalia of Diptera, SMIRNOV Biol. Mitt. Zool. Lief. **1** 1923 pp. 39–56 34 figs.

Catalogue of Diptera Nematocera of Petrograd province, STACKELBERG Faunae Petropol. Catal. **2** no. 10 16 pp.

CECIDOMYIIDAE.

Preliminary list of Kent Cecidomyiidae, BARNES Ent. Mo. Mag. **61** pp. 245–246.

Keys to subfamilies, tribes and genera of gall-midges of the World, FELT New York State Mus. Bull. **257** 239 pp. 8 pls. 57 figs.

Cecidomyiids from Finland, FREY Medd. Soc. Faun. Fl. Fenn. **49** pp. 210–212.

A further contribution to a knowledge of South Indian grass gall-midges, RAMACHANDRA RAO Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 270–274.

Adelgimyza tripidiperda **sp. n.** Italy ? p. 177 fig., del GUERCIO L'Agric. colon. **13** 1919.

Alassomyia **n. n.** for *Allomyia* Felt nec Banks p. 147 (note), FELT New York State Mus. Bull. **257**.

Allomyia see *Alassomyia*.

Asphondylia bea **sp. n.** California p. 19, FELT in NEEDHAM J. Ent. & Zool. **17**.

Autodiplosis iheringi **sp. n.** Brazil p. 45 fig., TAVARES Brotéria **22**.

Cecidomyella **gen. n.** *aulacaspidis* **sp. n.** Italy ? p. 184 fig., del GUERCIO L'Agric. colon. **13** 1919.

Cecidomyia gaylussacii **sp. n.** no locality p. 55, FELT New York State Mus. Bull. **257**.

Dryomyia lichtensteini biology p. 12 figs., PAOLI Natura **15** 1924.

Houardodiplosis **gen. n.** (near *Autodiplosis*) p. 13, *rochae* **sp. n.** Brazil p. 14 fig., TAVARES Brotéria **22**.

Isobremia kiefferi **sp. n.** no locality p. 357, VOUKASSOVITCH C.R. Soc. Biol. **92**.

Monarthropalpus buxi bionomics pp. 143–170 figs., HAMILTON Maryland Agric. Expt. Sta. Bull. **272**.

Oligarces paedogenesis p. 139, HARRIS Biol. Bull. Wood's Hole **48**.

Pezomyia vanderwulpi new to Britain p. 228, EDWARDS Ent. Mo. Mag. **61**.

Phytophaga tetradymia **sp. n.** California p. 15, FELT J. Ent. & Zool. **17**.

Pumilomyia **gen. n.** *portrahenda* **sp. n.** Palermo p. 72 figs., STEFANI Marcellia **16** (1917) 1919.

Rhopalomyia lonicera **sp. n.** California p. 15, FELT J. Ent. & Zool. **17**.—*R. pseudofoliorum* p. 60, *simulans* p. 61, **spp. n.** Czechoslovakia figs., VIMMER Časopis **21** 1924.

Schizomyia manihoti p. 22, *mimosae* p. 28, **spp. n.** Brazil fig., TAVARES Brotéria **22**.

Styracodiplosis cearensis **sp. n.** Brazil p. 20, TAVARES t.c.

Trilobiella **gen. n.** *siphae* **sp. n.** Italy ? p. 181 fig., DEL GUERCIO L'Agric. colon. **13** 1919.

MYCETOPHILIDAE.

Revision of, and keys to British Mycetophilidae, EDWARDS Trans. Ent. Soc. Lond. **1924** pp. 505-662 figs.

Notes on the Mycetophilidae of Br. Columbia, SHERMAN Proc. Ent. Soc. Br. Columbia **14** 1920 pp. 12–15.

†*Acnemia cyclosoma* **sp. n.** Eocene, Colorado p. 5 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.

Acrodicrania africana **sp. n.** Cape Town p. 609, EDWARDS Ann. S. Afr. Mus. **19**.

Allodia neglecta p. 608, *foliata* p. 609, *verralli*, *auriculata* p. 610, *kingi* p. 611, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924**.

Anatella incisurata p. 589, *piligera*, *flavomaculata* p. 590, **spp. n.** Britain figs., EDWARDS t.c.

Boletina pallidula p. 573, *griphoides* p. 574, **spp. n.** Britain figs., EDWARDS t.c.—*B. birulai* p. 3, *intermedia* New Siberia Is., *polaris* p. 4 Siberia, **spp. n.**, figs., LUNDSTRÖM Mém. Acad. Sci. Russ. **29** no. 8 1915.

Bolitophila spinigera **sp. n.** Britain p. 514 fig., EDWARDS Trans. Ent. Soc. Lond. **1924**.

Bolitophilella **gen. n.** (near *Bolitophila*) no genotype mentioned p. 179, LANDROCK Wiener ent. Ztg. **42**.

Ceroplatus winnertzi **n. n.** for *sesioides* Winn. nec Wahlb. p. 180, LANDROCK t.c.

Cordyla parvipalpis, *fissa*, *pusilla* p. 615, *nitidula* p. 616, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924**.

Ditomyia fasciata early stages p. 448 figs., SCHULZE Zool. Jahrb. Abt. Syst. **48** 1924.

Docosia fumosa **sp. n.** Britain p. 582 figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**

Dziedzickia vernalis p. 16, *rutila, johannseni, columbiana, occidentalis* p. 17, **spp. n.** Br. Columbia, SHERMAN Proc. Ent. Soc. Br. Columbia **16** 1921.—*D. nitida* **sp. n.** Cape Town p. 607, EDWARDS Ann. S. Afr. Mus. **19.**

Euricrium myrmecophilum **sp. n.** Brazil p. 92, LENGERSDORF Wiener ent. Ztg. **42.**

Exechia nigra p. 595, *parallela* p. 596, *hammi* p. 598, *pollicata* p. 599, *jenkinsoni* p. 600, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**

Heterotricha notes p. 606, *relicta* **sp. n.** Cape Province p. 605 figs., EDWARDS Ann. S. Afr. Mus. **19.**

Leia (*Leiomyia*) *stigmatica* **sp. n.** Cape Town p. 610 fig., EDWARDS t.c.—*L. piffardi* **sp. n.** Britain p. 580 figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**—*L. strobli* **n. n.** for *trimaculata* Strobl nec Macq. p. 182, LANDROCK Wiener ent. Ztg. **42.**

Lygistorhininae **subfam. n.** p. 530, EDWARDS Trans. Ent. Soc. Lond. **1924.**

Macrocera anglica p. 517, *bipunctata* p. 520, *stigmoides* p. 521, **spp. n.** Britain fig., EDWARDS Trans. Ent. Soc. Lond. **1924.**—*M. floridana* **sp. n.** Florida p. 299, JOHNSON Psyche **32.**

Manotinae **subfam. n.** p. 544, EDWARDS Trans. Ent. Soc. Lond. **1924.**

Monocentrota **gen. n.** p. 526, *lundstromi* **sp. n.** p. 527 Britain, EDWARDS t.c.

Mycetophila gibbula **sp. n.** England p. 639 figs., EDWARDS t.c.

Mycomyia (s. str.) *lightfooti* **sp. n.** S. Africa p. 608 fig., EDWARDS Ann. S. Afr. Mus. **19.**—*M. duplicata* **n. n.** for *trivittata* Dz. p. 550; *digitifera* **sp. n.** Britain p. 552 figs., EDWARDS Trans. Ent. Soc. London **1924.**—*M. bialorussica* **n. n.** for *nitida* Dzied. nec Zett. p. 180; *gimmerthali* **n. n.** for *fasciata* Gimm. nec Zett.; *pseudoapicalis* **n. n.** for *apicalis* Dzied. nec Winn. p. 181, LANDROCK, Wiener ent. Ztg. **42.**—*M. mutabilis* **sp. n.** Br. Columbia p. 16, SHERMAN Proc. Ent. Soc. Br. Columbia **16** 1921.

Phorodonta perpallida **sp. n.** Sumatra p. 155, EDWARDS Treubia **6.**

Phronia strenua Winn., *johannae* **sp. n.** Denmark p. 41, bionomics & morphology of early stages pp. 1–68, STEENBERG Vidensk. Medd. **78** 1924.—*P. strenua* biology & morphology p. 21, USSING Flora og Fauna **1925.**

Plastosciara pulchricornis **sp. n.** England p. 224, EDWARDS Ent. Mo. Mag. **61.**

Platyura pseudochracea **n. n.** for *ochracea* Dzied. nec Mg. p. 180, LANDROCK Wiener ent. Ztg. **42.**—*P. intermedia* **sp. n.** Br. Columbia p. 16, SHERMAN Proc. Ent. Soc. Br. Columbia **16** 1921.

Polylepta leptogaster see *Speolepta.*

Psilosciara stokesi **sp. n.** England p. 223 figs., EDWARDS Ent. Mo. Mag. **61.**

Rhymosia britteni p. 603, *bifida* p. 604, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**—*R. prolixa, faceta, seminigra* p. 18, *pectinata, brevicornis* p. 19, **spp. n.** Br. Columbia, SHERMAN Proc. Ent. Soc. Br. Columbia **16** 1921.

Sceptonia membranacea p. 646, *tenuis, fuscipalpis, flavipunctata, fumipes* p. 647, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**

Sciara transpacifica **sp. n.** China p. 292 figs., CURRAN Can. Ent. **57.**—*S. caudata* Wlk. (= *longiventris* Zett.) p. 228, EDWARDS Ent. Mo. Mag. **61.**—*S. subpilosa, subspinulosa, scotica* **spp. n.** Britain p. 536 figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**—*S. stigmatopleura* p. 601, *capensis* p. 602, *barnardi* p. 604, **spp. n.** S. Africa, EDWARDS Ann. S. Afr. Mus. **19.**—*S. similans* **sp. n.** Long Island, N. York p. 266, JOHANNSEN Ent. News **36.**—*S.*, notes on Winnertz' Monograph 1867 pp. 203–214, LENGERSDORF Verh. nathist. Ver. Bonn **81.**

Sciophila cliftoni p. 562, *adamsi* p. 563, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**—*S. nigronitida* **n. n.** for *nigra* Landr. nec Macq. p. 181, LANDROCK Wiener ent. Ztg. **42.**

Scythropochroa leucogaster **sp. n.** Java p. 155, EDWARDS Treubia **6.**

Speolepta **gen. n.** for *Polylepta leptogaster* Winn. p. 566 fig., EDWARDS Trans. Ent. Soc. Lond. **1924.**

Syntemna nitidula **sp. n.** Britain p. 558 fig., EDWARDS t.c.

Tetragoneura atra p. 19, *marceda, fallax, arcuata* p. 20, **spp. n.** Br. Columbia, SHERMAN Proc. Ent. Soc. Br. Columbia **16** 1921.

Trichonta stereana p. 619, *icenica* p. 622, *nigritula* p. 623, **spp. n.** Britain figs., EDWARDS Trans. Ent. Soc. Lond. **1924.**—*T. canariensis* **n. n.** for *trivittata* Abreu nec Lundstr. p. 182, LANDROCK Wiener ent. Ztg. **42.**

BIBIONIDAE.

Synopsis of British Bibionidae and Scatopsidae, EDWARDS Ann. App. Biol. **12** pp. 264–275 figs.

Bibio melanogaster notes p. 612, *birudis* re-description p. 613, *longirostris* Rond. (= *monacanthus* Lw.), *lightfooti* p. 614, *turneri* p. 615, **spp. n.** Cape Province, EDWARDS Ann. S. Afr. Mus. **19.**

Dilophus capensis **sp. n.** S. Africa p. 615, EDWARDS t.c.

Ectaetia lignicola **sp. n.** Cambridgeshire p. 270 fig., EDWARDS Ann. App. Biol. **12.**—*E. lignicola* structure of ♂ eye p. 229 fig., EDWARDS Ent. Mo. Mag., London **61.**

†*Plecia* key to Siberian fossil, *amagua* p. 13, *kudiella, refracta, redempta* p. 14, *kuznetzovi, obsitula* p. 15, **spp. n.** Siberia figs., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.—†*P. rhodopterina* **sp. n.** Eocene Colorado p. 6 fig., COCKERELL op. cit. **64** art. 13 1924.—*P. javensis* Java p. 158, *aruensis* Aru Is. p. 159, **spp. n.**, EDWARDS Treubia **6.**

Psectrosciara palustris **sp. n.** England p. 271 fig., EDWARDS Ann. App. Biol. **12.**

Scatopse bullata Norfolk p. 273, *litorea* Essex p. 274, **spp. n.** figs., EDWARDS t.c.

SIMULIIDAE.

Revision of Bulgarian Simuliidae, ENDERLEIN Zool. Anz. **61** 1924 pp. 280–288.

The life-history and structure of early stages of Simuliidae, key to British spp. p. 335, PURI Parasitology **17** pp. 295–369 figs.

Simuliidae of France with keys, SÉGUY Faune de France **12** pp. 20–42 figs.

Australasian Simuliidae with keys, TONNOIR Bull. Ent. Res. **15** pp. 213–255 figs.

Biology of German Simuliidae, WAGNER Zool. Anz. **63** pp. 195–208.

Austrosimulium **gen. n.** p. 230, *crassipes* p. 242, *cornutum* p. 243 Australia, *tasmaniense* p. 245, *torrentium* p. 247, *weindorferi* p. 248, *simile* p. 249 Tasmania, *ungulatum* p. 250, *tillyardi, laticorne* p. 253, *multicorne, longicorne* p. 254 N. Zealand, **spp. n.** fig., TONNOIR Bull. Ent. Res. **15.**

Byssodon **gen. n.** for *Simulium forbesi* Mall. p. 209, ENDERLEIN Zool. Anz. **62.**

Cnetha taeniatifrons **sp. n.** Illinois p. 207, ENDERLEIN t.c.

Friesia tristrigata **var. n.** *obscura* Bulgaria p. 285, ENDERLEIN op. cit. **61** 1924.

Gigantodax **gen. n.**, *bolivianus* **sp. n.** Bolivia p. 205, ENDERLEIN op. cit. **62.**

Gynonychodon **gen. n.** for *Simulium nobile* de Meij. p. 208, ENDERLEIN t.c.

Hellichia **gen. n.** type *latifrons* Norway p. 203, *latimucro* Savoy p. 204, **spp. n.**, ENDERLEIN t.c.

Odagmia simoffi, konsuloffi **spp. n.** Bulgaria p. 286, ENDERLEIN op. cit. **61** 1924.

Prosimulium nigripes England p. 202, *pexifrons* Carinthia, *tenuicalx* p. 203 N. America, **spp. n.**, ENDERLEIN op. cit. **62.**

Simulium pulchripes **sp. n.** Dardanelles p. 4, AUSTEN Bull. Ent. Res. **16.**—*S.*, key to Serbian spp. p. 7, *serbicum* **sp. n.** Serbia p. 9, *begbunaricum, brnizense* further description p. 10 figs., BARANOV Landw. Versuchsstation Topčider Br. **1.**—*S. varicorne* **sp. n.** Sumatra p. 159 fig., EDWARDS Treubia **6.**—*S. heringi* **sp. n.** Germany p. 210, ENDERLEIN Zool. Anz. **62.**—*S. tenuipes* **sp. n.** Chile p. 21, KNAB An. Zool. aplic. **1** 1914.—*S. equinum* **var. n.** *mediterraneum,* early stages Tunis p. 253 fig., PURI Ann. Mag. N. H. (9) **16.**—*S. varicolor* **sp. n.** France p. 6, SÉGUY Encyc. ent. Ser. B. II Dipt. **2.**—*S. lesnei* **sp. n.** Pyrenees p. 107, key to females of French 2nd group p. 108, SÉGUY Bull.

Soc. ent. Fr. **1925**.—*S.*, key to Mediterranean spp. p. 233, *ariasi* **sp. n.** Spain p. 236, SÉGUY Eos **1**.—*S. aurantiacum* p. 234, *umbratorum*, *terebrans* p. 237, *fergusoni* p. 238, **spp. n.** Australia fig., TONNOIR Bull. Ent. Res. **15**.—*S.*, pigmentation of larvae pp. 1478–1480 figs., VOINOV C.R. Soc. Biol. **92**.—*S. forbesi* see *Byssodon*; *S. nobile* see *Gynonychodon*.

Taeniopterna **gen. n.** type *macropyga* Lundstr. p. 203, ENDERLEIN Zool. Anz. **62**.

Wilhelmia balcanica **sp. n.** Bulgaria p. 285, ENDERLEIN op. cit. **61** 1924.—*W. mallochi* **sp. n.** Costa Rica p. 208, ENDERLEIN op. cit. **62**.

BLEPHAROCERIDAE.

Blepharoceridae of Brazil, LUTZ Mem. Inst. Oswaldo Cruz **12** 1920 pp. 16–40 figs.

Curupira hirtipupa p. 26, *granulipupa*, *horrens* p. 27, *mochlura* p. 28, *incerta*, *disticha* p. 29, *pluripunctata*, *spinivectis*, *muelleri* p. 30, *brevivectis*, *garciana* p. 31, **spp. n.** Brazil figs., LUTZ t.c.

Dimorphotaenia **gen. n.** *bocainae* **sp. n.** Brazil p. 26 figs., LUTZ t.c.

Dimorphotarsa **gen. n.** *fascibranchia* p. 25, *tetrasticha* p. 29, *tetragonura*, *lorenzi* p. 32, **spp. n.** Brazil figs., LUTZ t.c.

Liponeura revision p. 329; *decipiens* **varr. n.** *minor*, metamorphoses p. 330, *bezzii* p. 364 Corsica figs., BISCHOFF Zool. Jahrb., Abt. Syst. **51**.—*L. cinerascens* in Belgium, notes p. 253, ROUSSEAU Ann. Biol. lac. **9** 1920.

CHIRONOMIDAE.

Hydrobiology of Chironomidae, ALSTERBERG Arch. Hydrobiol. **15** 1924 pp. 291–338.

Chironomid midges attacking moths, Switzerland, EDWARDS Ent. Mo. Mag. **61** p. 228.

Chironomids of Egypt, KIEFFER Bull. Soc. R. ent. Egypte **1924** pp. 244–313 figs.

Diptères (Nématocères piqueurs); Chironomidae, Ceratopogoninae, KIEFFER Faune de France **11** 139 pp. 83 figs.

Chironomidae as a basis of classification of lakes, LENZ Die Naturwiss. **13** p. 5.

Notes on life-history of Chironomidae, SEARLE Vict. Nat. **42** p. 23.

Comparative study of mouth-parts of larvae of Tanypinae, ZAVŘEL Bull. Intern. Acad. Prague **21** 1917 pp. 247–262.

Ablabesmyia limbata p. 24, *quadrinotata* p. 25, **spp. n.** New Siberia Is. figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Acricotopus **gen. n.**, *grandis* p. 90 (with **var. n.** *atrinervis*), *sessilis*, *confluens* p. 91, *melanopus* p. 92, *atriforceps* p. 93, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*A. majalis*, *aestivalis* p. 93, *litoris* **spp. n.** Central Europe, key p. 94, KIEFFER op. cit. **30** 1924.

Anakempia key, *minima* p. 402, *sphagnicola* p. 403, **spp. n.** Central Europe figs., KIEFFER Arch. Inst. Pasteur, Algiers **2** 1924.

Apelma nilicola **sp. n.** Egypt p. 253, KIEFFER Bull. Soc. R. ent. Egypte **1924**.—*A.*, bionomics, morphology, systematic position p. 252, *edwardsi* p. 260, *keilini* p. 265, *magna* p. 266 **spp. n.** Brazil figs., SAUNDERS Parasitology **17**.

Arctomyia **gen. n.** (near *Metriocnemus*) p. 18, *sibirica* **sp. n.** New Siberia Is. p. 19 figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** 1915 no. 8.

Atrichopogon key p. 396, *miripalpis* p. 397, *fortiserra* p. 398, *serrulatus* **spp. n.**; *winnertzi* **var. n.** *bidentatus* p. 399 Central Europe figs., KIEFFER Arch. Inst. Pasteur, Algiers **2** 1924.—*A. thienemanni* **sp. n.** (with **var. n.** *nitens*) Germany p. 54, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*A.*, key p. 248, *alfierii* p. 249, *osiris*, *aegyptius* p. 250, *isis* p. 252, **spp. n.** Egypt fig., KIEFFER Bull. Soc. R. ent. Egypte **1924**.

Bezzia media **n. n.** for *solstitialis* Goetgh. nec Winn. p. 126; *hydrophila* **var. n.** *stagnalis* Thuringia p. 129, KIEFFER Faune de France **11**.—*B. ploenensis* **sp. n.** Sleswig-Holstein p. 62, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*B.* key, *aegyptia* **sp. n.** Egypt p. 264, KIEFFER Bull. Soc. R. ent. Egypte **1924**.—*B. pilipennis* see *Lasiobezzia*.

Brillia longifurca **sp. n.** (with **var. n.** *fulvofasciata*) Germany p. 86, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Calochironomus key p. 290, *oxylabis* **var. n.** *linea* p. 291, *hexastictus* p. 292, *nitididorsum* p. 293, *nilophilus* p. 295, **spp. n.** Egypt figs., KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Calopsectra minima **sp. n.** Holstein p. 42, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*C. brevimanus* see *Lundstroemia.*—*C. capucina* p. 218, *profundorum, ramosa* p. 219, **spp. n.** Holstein, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Camptocladius squamatus p. 95, *brevistilus* p. 96, *tristylus* p. 97, *laneolatus, fusciforceps* p. 98, *distans, tritomus* (with **var. n.** *semiviridis*) p. 99, *longicrus* p. 100 Silesia, *tetrasema, lacroixi* p. 97 Deux-Sèvres, **spp. n.,** KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*C. trifoliatus* p. 73, *rectinervis, gracillimus* p. 74, *olivaceus, fulvosignatus* p. 75, *halocryptus, fulvonotatus, aduncus* p. 76, *squamiger* p. 77, *squamosus, biuncus* p. 78, *suecicus, clavatiforceps* p. 79, *puripennis* p. 80, **spp. n.** Central Europe, KIEFFER op. cit. **30** 1924.—*C. thalassobius, maritimus* **spp. n.** Baltic Sea p. 229, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**—*C. ditomus* **sp. n.** Prussia p. 561, KIEFFER op. cit. C.R. **44.**—*C. trilineatus, incertus* New Siberia Is. p. 15, *globifer* Arctic Siberia p. 16, **spp. n.** figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Cardiocladius fuscus **sp. n.** Silesia p. 72, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.

Chaetocladius silesiacus **sp. n.** Silesia p. 101, KIEFFER op. cit. **29** 1921.—*C. silesiacus* **var. n.** *maurus* Silesia p. 72, KIEFFER op. cit. **30** 1924.

Chironomus vulpes p. 23, *biuncus* p. 24, **spp. n.** Germany, KIEFFER t.c.—*C. pallidiramus* p. 74, *atriramus* p. 75, **spp. n.** Argentina, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**—*C. flavoviridis* Arctic Siberia p. 7, *brevimanus* New Siberia Is. p. 8, **spp. n.** figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Cladopelma viridis p. 63 (with **var. n.** *albiforceps*), *laminata* p. 64, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*C.* key p. 279, *albiforceps* **var. n.** *pubescens* p. 280 Egypt fig., KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Cladotanytarsus atridorsum, acuticauda **spp. n.** N. Germany p. 38, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*C. gurgitis* **sp. n.** Holstein p. 226, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Clinohelea luteitarsis see *Neurohelea.*

Clunio marinus **var. n.** *aegyptius* Egypt p. 307 fig., KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Corynoneura marina **sp. n.** Baltic p. 43, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*C. longistylus* p. 563 (with **var. n.** *ocularis*), *vulgaris, crassipes, brevinervis, clavicornis* (with **var. n.** *fasciata*) *nupharis, fusciclava* p. 564, *tyrolensis, validicornis, brevistylus, brevipalpis, duodenaria* p. 565, **spp. n.** Centr. Europe, KIEFFER Ann. Soc. sci. Brux. C.R. **44.**

Cricotopus nigriforceps p. 87, *stenosandalum, dubiosus, clavaticornis* p. 89, *grandipalpis* p. 88, **spp. n.** Germany, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*Cricotopus albipluma* **sp. n.** N. Germany p. 96, KIEFFER op. cit. **30** 1924.—*C. aegyptius* **sp. n.** Egypt p. 306, KIEFFER Bull. Soc. R. ent. Egypte **1924.**—*C. autumnalis* p. 384, *fischeri, fontinalis, halobius* p. 385, *longicollis, rivulorum* p. 386, **spp. n.** Europe, KIEFFER Ann. Soc. sci. Brux. C.R. **44.**

Cryptochironomus forficula p. 65, *longiforceps* p. 66, *rostratus* p. 67, *arvicularis* (with **var. n.** *pallidiventris*) p. 68, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*C. longimanus* p. 27, *dimidiatus, monotomus* p. 28, *tricolor, bipunctatus* p. 29, **spp. n.** N. Germany, KIEFFER op. cit. **30** 1924.—*C.* key p. 282, *camelus* p. 285, *nilogenes* p. 286, *graminicolor* p. 287, *aegyptius* p. 288, **spp. n.** Egypt figs., KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Culicoides review of N. & Central American and West Indian pp. 274–301, key p. 276, *canithorax* Georgia p. 284, *trinidadensis* Trinidad p. 286, *venustus* Maryland p. 290, *yukonensis* Yukon p. 291 **spp. n.** ; *cockerelli* **var. n.** *tristriatulus* California ; *diabolicus* Panama p. 294, *baueri* Maryland p. 297 **spp. n.,** figs., HOFFMAN Amer. J. Hyg. **5.**—*C. lamborni* p. 283, *pycnostictus* p. 284, **spp. n.** Nyasaland fig., INGRAM & MACFIE Bull. Ent. Res. **15.**—*C. dileucus* France p. 55, *clavatus, rivicola* p. 56, *heterocerus* p. 57 Germany, **spp. n.,** KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*C. biclavatus* p. 14, *crassiforceps* p. 15, *maritimus* p. 16, *punctatidorsum*

p. 17, *algarum* p. 18, *flavipluma* p. 19, **spp. n.** Holstein, KIEFFER op. cit. **30** 1924.—*C. halophilus* p. 404, *salicola* p. 405 (with **var. n.** *pictidorsum* p. 406) **spp. n.** Norway fig., KIEFFER Arch. Inst. Pasteur, Algiers **2** 1924.—*C.* key p. 255, *pilosipennis*, *nilotes* p. 257, *pharao* p. 259, *sciniphes* p. 261, **spp. n.** Egypt figs., KIEFFER Bull. Soc. R. ent. Egypte **1924.**—*C. subfasciipennis* **var. n.** *analis* Belgium p. 81, KIEFFER Faune de France **11.**

Dactylocladius nivis, *bidentatus* p. 71, *niveiforceps* p. 72, **spp. n.** Central Europe, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.

Dasyhelea bilineata early stages and ♀ described pp. 121–124 fig., GOETGHEBUER Encyc. ent. Ser. B. II Dipt. **1.**—*D. nyasae* **sp. n.** Nyasaland p. 286 fig., INGRAM & MACFIE Bull. Ent. Res. **15.**—*D. halobia* p. 20, *algarum* p. 21, **spp. n.** Holstein, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*D. argentinensis* **sp. n.** Argentina p. 92, KIEFFER Ann. Soc. sci. Brux. Mem. **44.**—*D.* key p. 253, *luteocincta* p. 254, *arenosa* p. 255, **spp. n.** Egypt, KIEFFER Bull. Soc. R. ent. Egypte **1924.**—*D. versicolor* **var. n.** *insignipalpis* Europe p. 61, *verticillata* **sp. n.** France, Hungary p. 63, KIEFFER Faune de France **11.**

Diamesa key p. 52, *confluens* p. 53, *hamaticornis* p. 56, **spp. n.** C. Europe, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*D. simplicipes* **sp. n.** Bavaria p. 557, KIEFFER Ann. Soc. sci. Brux. C.R. **44.**—*D. appendiculata* **sp. n.** Siberia p. 23 fig., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Dicrotendipes p. 297, *forficula* p. 298, *speciosus* p. 299, *nilicola* p. 300, **spp. n.** Egypt figs., KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Didiamesa miriforceps, description of larva, pupa and biology pp. 85–94 fig., LENZ N. Beitr. syst. Insektenk. **3.**

Ditanytarsus lobatus p. 39, *viridellus* p. 40, **spp. n.** Holstein, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*D. subglabripennis* **sp. n.** Holstein p. 227, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Dolichoprymna **gen. n.** for *Smittia longipennis* Holmgr. p. 21, LUNDSTRÖM Mém. Acad. imp. sci. **29** no. 8 1915.

Endochironomus parvulus **sp. n.** France p. 31, KIEFFER Bul. Soc. H. n. Moselle **30** 1924.

Forcipomyia decrescens p. 391, *hirtipalpis* p. 392, *tenuisquama* p. 393, *bitensis* **spp. n.**; *braueri* **var. n.** *punctatipennis* p. 394, Europe; *boleti* Kieff. & *ciliata* Winn. distinct species p. 395, figs., KIEFFER Arch. Inst. Pasteur, Algiers **2** 1924.—*F. sate* p. 245, *hathor*, *urnigera* p. 247, **spp. n.** Egypt fig., KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Goetghebueria **gen. n.** *fasciata* p. 79, *piligera* p. 80, **spp. n.** Germany, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Haemophoructus **gen. n.** *maculipennis* **sp. n.** Singapore p. 349 fig., MACFIE Bull. Ent. Res. **15.**

Harnischia **gen. n.** *fuscimanus* **sp. n.** Silesia p. 69, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Holtedahlia baltica **sp. n.** Baltic p. 227, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Hydrobaenus glacialis **sp. n.** Kotelnyj Is. (Siberia) p. 17 figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Isoplastus (*Prosisoplastus* **subgen. n.**) *sphagnicola* **sp. n.** Esthonia p. 16, KIEFFER Bull. Soc. ent. Fr. **1925.**

Kempia singularis p. 52, *longiserra* p. 53, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*K. breviserra* **sp. n.** p. 400, *appendiculata* **var. n.** *adjacens* p. 401, C. Europe figs., KIEFFER Arch. Inst. Pasteur, Algiers **2** 1924.

Kribiodoxa striata **sp. n.** Egypt p. 296, KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Lasiobezzia **gen. n.** for *Bezzia pilipennis* Lundstr. p. 54, KIEFFER Ann. Soc. ent. Fr. **94.**

Lasiodiamesa **subgen. n.** see *Syndiamesa.*

Lenziola **gen. n.**, *nigra* **sp. n.** p. 555, **var. n.** *brevicornis* p. 557 N. Germany, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Limnochironomus fusciforceps Silesia p. 70, *lobiger* Holstein p. 71, **spp. n.**, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Lundstroemia lobata **sp. n.** Holstein p. 37, *brevimanus* K. from *Calopsectra* p. 43, KIEFFER op. cit. **30** 1924.

Macropelopia hirtipes **sp. n.** Silesia p. 104, KIEFFER op. cit. **29** 1921.—*M. aeruginosa* **sp. n.** Bohemia p. 101, KIEFFER op. cit. **30** 1924.—*M. bellipes* **sp. n.** Argentina p. 90, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**

Metriocnemus micropelma p. 83, *antennalis, fulvofasciata* p. 84, *silesiacus, cavicola* p. 85 Germany, *arcuatus* p. 84 Deux-Sèvres, **spp. n.**, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*M. stylatus, nemophilus* p. 97, *ocularis, haesitans* p. 98, *subclavatus, triangulifer* p. 99, *verticillatus, fontinalis* p. 100, **spp. n.** C. Europe, KIEFFER op. cit. **30** 1924.—*M. argentinensis* **sp. n.** Argentina p. 83, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**—*M. arciger* p. 382, *atratus, bitensis, flaviceps* p. 383, *tyrolensis* p. 384 **spp. n.**; *hygropetricus* **varr. n.** *flavipilus, violaceus* p. 383, *grossus* p. 384; *niphetobia* **sp. n.** p. 562; *atriclava* **var. n.** *nivicola* p. 563 Europe, KIEFFER op. cit. C.R. **44.**

Microlenzia **gen. n.** (near *Corynoneura*) *fusca* (type), Austria, *flava* Czechoslovakia, **spp. n.** p. 54, KIEFFER Ann. Soc. ent. Fr. **94.**

Micropsectra dentatilobus p. 224, *tricrenata, latifrons* Holstein, *quinaria* Bavaria p. 225, *heptameris* Lower Austria p. 226, **spp. n.**, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Microtendipes lugubris **sp. n.** Silesia p. 72, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Monotanytarsus tyrolensis Tyrol p. 40, *stilatifrons* Sweden p. 41, **spp. n.**, KIEFFER op. cit. **30** 1924.

Neurohelea **gen. n.** for *Clinohelea luteitarsis* Mg. p. 112, KIEFFER Faune de France **11.**

Orthocladius rivulorum new to Switzerland pp. 53–54, CARL C.R. Soc. Phys. Hist. Nat. Genève **40** 1923.—*O. grandis* p. 101, *attenuatus* p. 102, *bifidus* p. 103, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*O.* key p. 63, *harnischi, corax* p. 65, *fusciceps, nivicola* p. 66, *nivium* p. 67, *nivosus, aprilinus* p. 68, *lenzi, bicuspis* p. 69, *insulanus, albilobus* p. 70 **spp. n.**; *grandis* **varr. n.** *tristylus* p. 63, *ciliatipes, grossus, barbatipes* p. 64 C. Europe, KIEFFER op. cit. **30** 1924.—*O. littoris* **sp. n.** Baltic p. 229, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**—*O. tridentiger* **sp. n.** Germany p. 560, KIEFFER op. cit. C.R. **44.**—*O. marginatus* p. 10, *nitidoscutellatus* p. 11, *binotatus* p. 12, *pallidicornis* p. 13, *paradoxus* p. 14, **spp. n.** Siberia figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Ortroya **gen. n.**, *grandiforceps* **sp. n.** Holstein p. 331, KIEFFER C.R. Assoc. franç. Avanc. Sci. **44** (1920) 1921.

Pachycladius longistylus **var. n.** *nivicola* Black Forest p. 62, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.

Palpomyia armata **sp. n.** Charente-Inférieure p. 60, KIEFFER op. cit. **29** 1921.—*P. variipilus* **sp. n.** Rugen I. p. 407 fig., KIEFFER Arch. Inst. Pasteur, Algier **2** 1924.

Paratanytarsus argentinensis **sp. n.** Argentina p. 82, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**

Paratendipes key, *nigrimanus, fuscimanus, hexatomus* **spp. n.** Germany p. 72, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Parrotia nilotica **sp. n.** Egypt p. 263, KIEFFER Bull. Soc. R. ent. Egypte **1924.**

Pentapedilum scirpicola p. 76, *tenue* p. 77 **spp. n.**; *stratiotis* **var. n.** *dubium* p. 78 Germany, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*P. muscicola* **sp. n.** Holstein p. 36; *exsectum* **var. n.** *suecicum* Sweden p. 37, KIEFFER op. cit. **30** 1924.

Phaenocladius subaequalis p. 94, *atriclava, heptatomus* p. 95, **spp. n.** Silesia, KIEFFER op. cit. **29** 1921.—*P. bacilliger* p. 80, *limnophilus, flaviforceps* p. 81, *flavicornis, bavaricus* p. 82, **spp. n.** C. Europe, KIEFFER op. cit. **30** 1924.—*P. rhitrogenae* see *Symbiocladius.*

Phytochironomus fodiens p. 25 (with **var. n.** *fossor*), *latifrons* p. 26, *anomalus* p. 27, **spp. n.** N. Germany, KIEFFER op. cit. **30** 1924.

Polypedilum key, *crenulosum* p. 73, *bicrenatum* p. 74, *fulgidum* p. 75, *integrum* p. 76 **spp. n.**; *scalaenum* **var. n.** *quadriguttatum* p. 74 Silesia, KIEFFER op. cit. **29** 1921.—*P.*, key p. 265, *albosignatum* p. 268, *iris* p. 269, *aegyptium* p. 270, *niloticum* p. 271, *dampfi* p. 272, *pharao* p. 274, *anuke* p. 275, *sate* p. 277, *phre* p. 278, **spp. n.** Egypt figs., KIEFFER Bull. Soc. R. ent. Egypte **1924.**—*P. clavigerum* p. 76, *argentinense, dimidiatum* p. 77, *hamigerum* p. 78, *simulator* p. 79, **spp. n.** Argentina, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**

Probezzia spinosidorsum **sp. n.** Silesia p. 61, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*P. brehmiana, nodosipes* **spp. n.** Austria p. 22, KIEFFER op. cit. **30** 1924.

Prokempia halobia **sp. n.** Holstein p. 12, KIEFFER op. cit. **30** 1924.

Prorietbia **gen. n.** *ploenensis* **sp. n.** Holstein p. 329, KIEFFER C.R. Assoc. franç. Avanc. Sci. **44** (1920) 1921.—*P. nigrimanus* p. 33, *albimanus* p. 34, **spp. n.** Holstein, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*P. viridis* p. 79, *fusca* p. 81, **spp. n.** Argentina, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**

Prosisoplastus **subgen. n.** see *Isoplastus.*

Protanypus turfaceus **sp. n.** Estonia p. 15, KIEFFER Bull. Soc. ent. Fr. **1925.**

Psectrocladius villosicornis p. 100, *silesiacus* p. 101, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*P. nivalis* p. 57, *longicerus* p. 58, *heptamerus* p. 59, *turfaceus, unifilis* p. 60 **spp. n.**, *versicolor* **var. n.** *marinus* p. 61, C. Europe, key p. 62, KIEFFER op. cit. **30** 1924.—*P. ventricosus* **sp. n.** Germany p. 558, KIEFFER Ann. Soc. sci. Brux. C.R. **44.**

Psectrotanypus brachypedilum, strigilifer **spp. n.** Silesia p. 104, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*Psectrotanypus brevicornis* **sp. n.** Silesia p. 103, KIEFFER op. cit. **30** 1924.

Psilodiamesa nivalis **sp. n.** Central Europe p. 51, KIEFFER t.c.

Rheotanytarsus abbreviatus **sp. n.** Argentina p. 81, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**

Smittia longipennis see *Dolichoprymna.*

Sphaeromias dimidiatus **sp. n.** France p. 59, KIEFFER Bul. Soc. H. n. Moselle **29** 1921.

Stenochironomus key p. 31, *occultus* **sp. n.** Lorraine p. 30, KIEFFER op. cit. **30** 1924.

Stictochironomus histrio **varr. n.** *rufocinctus, fuscocinctus* p. 32, *albimanus* p. 33 N. Germany, KIEFFER t.c.

Stilobezzia fuscidorsum **sp. n.** Holstein p. 58, KIEFFER op. cit. **29** 1921.

Stylotanytarsus trilobatus **sp. n.** Silesia p. 80, KIEFFER op. cit. **29** 1921.

Symbiocladius **gen. n.** for *Phaenocladius rhitrogenae* Zavr. p. 565, KIEFFER Ann. Soc. sci. Brux. C.R. **44.**

Syndiamesa (*Lasiodiamesa* **subgen. n.**) *gracilis* p. 47, *pilosa* p. 48, *dampfi* p. 50, **spp. n.** C. Europe, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.

Tanypus arciger, quatuorpuncta **spp. n.** p. 106 ; *hirtimanus* **var. n.** *longiforceps* p. 107 ; *monilis* **var. n.** *lineolatus* p. 108 Silesia, KIEFFER op. cit. **29** 1921.—*T. monotomus, longiseta* p. 104, *nudipes* p. 105, *signatipennis* p. 106, *similipennis, bruneicalcar* p. 107, *curtiseta* p. 108 (with **var. n.** *prionotus*), *flavicalcar, atratulus* p. 109, *sparganii* p. 110, **spp. n.** C. Europe, KIEFFER op. cit. **30** 1924.—*T. contracticornis* **sp. n.** Egypt p. 311, KIEFFER Bull. Soc. R. ent. Egypte **1924.**—*T.*, key, *bruchi* p. 85, *tenuistylus, cirratus* p. 88, *excavatus* p. 89, *crassistylus* p. 90 **spp. n.** ; *monilis* **varr. n.** *transversalis* p. 86, *elongatus* p. 87 Argentina, KIEFFER Ann. Soc. Sci. Brux. Mem. **44.**—*T.*, key to Canadian spp. p. 271, *idei* p. 272, *mallochi, basalis* p. 273, *garretti, prudens* p. 275, *currani, senatus* p. 276, *cornuticaudatus, pilicaudatus* p. 277, **spp. n.** Canada figs., WALLEY Can. Ent. **57.**

Tanytarsus setiger p. 81, *bigibbosus* p. 82, **spp. n.** Silesia, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*T.* key, *nilicola* **sp. n.** Egypt p. 304, KIEFFER Bull. Soc. R. ent. Egypte **1924.**—*T. macrosandulum* p. 219, *bathyryptus* p. 220, *candidus, albipennis* p. 221, *profundus, voraginis, cordiformis* p. 222, *phragmitis, mendax* p. 223 N. Germany, *thienemanni* Sweden p. 220, *contractipalpis* Silesia p. 224, *littoralis* Baltic p. 228, **spp. n.**, KIEFFER Ann. Soc. Sci. Brux. C.R. **44.**

Thienemanniella flaviforceps, nervosa Silesia, *zavreli* Bohemia, *emarginata* Mosul, **spp. n.** p. 285, KIEFFER Bull. Soc. ent. Fr. **1925.**—*T. longicornis* **sp. n.** Silesia p. 103, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Thienemanniola **gen. n.** p. 327, *ploenensis* **sp. n.** p. 328 Holstein, KIEFFER C.R. Assoc. franç. Avanç. Sci. **44** (1920) 1921.—*T. longipennis* **sp. n.** Schleswig-Holstein p. 87, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*T. brevitarsis* **sp. n.** Holstein p. 44, KIEFFER op. cit. **30** 1924.

Thyridomyia **gen. n.** (near *Apelma*) *palustris* **sp. n.** Britain p. 268 figs., SAUNDERS Parasitology **17**.

Thysanognathus nilogenes **sp. n.** Egypt p. 262, KIEFFER Bull. Soc. R. ent. Egypte **1924**.

Trichocladius ploenensis Sleswig-Holstein, *longicornis* p. 93, *subglaber* p. 94 Silesia, **spp. n.**, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.—*T. crassus, ciliatimanus* p. 83, *ocularis, pergrandis* p. 84, *pulchellus, tendipedellus* p. 85, *bilobatus* p. 86, *leucura, atriforceps, genevensis* p. 87, *fuscicauda* p. 88, *nivicola* (with **var. n.** *tenuiventris*), *fallaciforceps* p. 89, *eminens, brevicrus* p. 90, *distylus, clavatus* p. 91, *flavocinctus, scirpicola* p. 92, **spp. n.** Europe, KIEFFER op. cit. **30** 1924.—*T. ornaticrus* p. 83, *argentinensis* p. 84, **spp. n.** Argentina, KIEFFER Ann. Soc. Sci. Brux. Mem. **44**. —*T. crassinervis* Silesia, *ottilianus* p. 388, *stadleri* p. 559, *lenzi* p. 560, **spp. n.**, Germany, KIEFFER op. cit. C.R. **44**.

Trichotanypus squamiger Poland p. 101, *dimidiatus* Silesia, Holstein p. 102, **spp. n.**, KIEFFER Bull. Soc. H. n. Moselle **30** 1924.—*T.* key, *nilicola* **sp. n.** Egypt p. 309, KIEFFER Bull. Soc. R. ent. Egypte **1924**.

Xenochironomus flavinervis **sp. n.** Silesia p. 69, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

Xenotanytarsus **gen. n.** *miriforceps* **sp. n.** Holstein p. 330, KIEFFER C.R. Assoc. franç. avanc. Sci. **44** (1920) 1921.

Zavrelia atrofasciata **sp. n.** Silesia p. 78, KIEFFER Bull. Soc. H. n. Moselle **29** 1921.

CULICIDAE.

How to collect the eggs and larvae of mosquitos, Arch. Inst. Pasteur, Algiers **2** 1924 pp. 421–422 fig.

Mosquitos of Surinam, BONNE & BONNE-WEPSTER Kolon. Inst. Amsterdam Meded. **21** 1925 558 pp. 84 figs.

Distribution of Culicidae in Dutch East Indies, BRUG Geneesk. Tijd. Ned.-Indië **65** pp. 1–8.

The early stages of Samoan mosquitos, BUXTON & HOPKINS Bull. Ent. Res. **15** pp. 295–301 figs.

Classified catalogue of Culicidae of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte no. **5** 1921 pp. 20–30.

Characters of adults and larvae of Anophelines of Ceylon, CARTER Ceylon J. Sci. Sec. D **1** pp. 57–97 figs.

Catalogue of the Anophelini. Part I. Provisional list of species. Part II. Descriptive synopsis, CHRISTOPHERS Ind. Med. Res. Mem. **3** 1924 pp. 1–105.

Classification and biology of mosquitos (key p. 113) pp. 99–125, common Anophelines of N. Australia and New Guinea pp. 125–141, figs., CILENTO Commonw. Austr. Dept. Health, Serv. Pub. (Trop. Div.) no. **3**. [1924.]

British mosquitos and their control, EDWARDS & JAMES Br. Mus. (Nat. Hist.) Econ. Ser. **4a** 27 pp. figs.

Some mosquitos from Ecuador, DYAR Ins. Insc. Mens. **13** pp. 27–31.

Mosquitos of Panama with keys, DYAR Ins. Insc. Mens. **13** pp. 101–195.

The types of Philippine mosquitos described by Ludlow, DYAR & SHANNON Ins. Insc. Mens. **13** pp. 66–89.

Culicidae of Buru I. (Moluccas), EDWARDS Treubia **7** p. 40.

Mosquitos of Russia, FAVR, An attempt to study malaria in Russia in its sanitary aspect, Kharkov 1903, 344 pp., 1 map.

Catalogue of the Culicidae of Belgium, GOETGHEBUER Bull. & Ann. Soc. ent. Belg. **65** pp. 209–219.

Habits and distribution of some N. Australian Culicidae, HILL Commonw. Austr. Dept. Health, Serv. Pub. no. **21** 1922 32 pp. 11 pls.

Distribution of Anopheline mosquitos in Australian region with notes on some Culicine species, HILL Proc. R. Soc. Victoria **37** pp. 61–77 5 pls.

The determination of Egyptian mosquitos with keys, KIRKPATRICK Bull. Soc. R. ent. Egypte **1924** pp. 362–388 figs.

The mosquitos of Egypt, KIRKPATRICK Egyptian Govt. Anti-malaria Comm. 1925 224 pp. figs.

Studies on mosquitos in Formosa, KOIDZUMI Rept. Sci. Inst. Taihoku no. **8** 1920 158 pp. 3 charts 8 pls.

The Anophelines of Formosa, KOIDZUMI Dobuts. Z. **37** pp. 314–377 figs.

Seasonal habit of common Anophelines of Nyasaland, LAMBORN Bull. Ent. Res. **15** pp. 361–376 fig.

Mosquitos under winter conditions, MACGREGOR Bull. Ent. Res. **15** 1925 pp. 357–358.

Distribution data and corrections to synonymy of Chaoborinae by Dyar & Shannon, MATHESON Can. Ent. **57** p. 159.

Mosquitos in Greenland, MERCANTON in QUERVAIN & MERCANTON Medd. Grønland **59** p. 268.

Culicidae collected in Fukuoka District, MOCHIZUKI Mag. Fukuoka Med. Coll. **7** 1913 reprint 65 pp. figs.

Anatomy and function of the breathing apparatus of Culicid larvae, MONTSCHADSKY Trav. Soc. Nat. Leningrad **54** 1 pp. 83–93 figs.

Characters and breeding-places of some Javanese Anophelines, SCHUURMANS STEKHOVEN & SCHUURMANS STEKHOVEN-MEYER Geneesk. Tijdschr. Ned.-Indië **62** 1922 pp. 442–473.

Notes on the mosquitos of N. Africa, Egypt & Syria I, SÉGUY Encyc. ent. Ser. B. II Dipt. **2** pp. 13–21 figs.

Notes on mosquitos, SÉGUY Encyc. Ent. Ser. B. II Dipt. **1** pp. 120 & 157–158.

Culicidae of France with keys, SÉGUY Faune de France **12** pp. 43–82 figs.

Notes on Ceylon mosquitos, I, with key to mature larvae of Ceylon Anophelines (p. 214), SENIOR-WHITE Spolia Zeylanica **13** pp. 213–222 figs.

Anophelines of the Dutch E. Indies, SWELLENGREBEL Kolon. Inst. Amsterdam Meded. **15** 1921 155 pp. 20 pls. 76 figs. 1 table.

Anophelines of Buru I. (Moluccas), TOXOPEUS Treubia **7** pp. 38–39.

Revision of the adult Anopheline mosquitos of Japan, YAMADA Sci. Repts. Govt. Inst. Infect. Dis. Tokyo 1924 **3** pp. 215–241.

Aëdes thibaulti larva p. 89, BRADLEY Ins. Insc. Mens. **13**.—*A. metoecopus* **sp. n.** Ecuador p. 30; *Conopostegus* **subgen. n.** p. 141; *traversus* **sp. n.** Venezuela p. 215; *punctifemore* ♂ p. 217, DYAR Ins. Insc. Mens. **13**.—*A.* (*Skusea*) *miachaetessa* p. 78, (*A.*) *macrodixoa* p. 79, *margarsen* p. 80, *dux* p. 81, **spp. n.** Philippines, DYAR & SHANNON t.c.—*A. pearyi, labradorensis* **spp. n.** Labrador p. 78, DYAR & SHANNON J. Wash. Acad. Sci. **15**.—*A.* (*Finlaya*) *albilabris* Solomon Is. p. 258, (*Stegomyia*) *subargenteus* Nyasaland p. 262, (*Aëdimorphus*) *pubescens* Sierra Leone p. 264 **spp. n.**; *apicoargenteus* Theo. (= *Kingia alberti* Theo. p. 261 & *Aniella togoensis* End. p. 262); *fraseri* (= *K. maculoabdominalis* Theo.); (*Aëdimorphus*) *argenteopunctatus* Theo. (= *quinquepunctatus* Theo.); *caballus* Theo. (= *chelli* Edw.) p. 261; notes on Ethiopian spp. p. 264, EDWARDS Bull. Ent. Res. **15**.—*A.* (*Stegomyia*) *blacklocki* **sp. n.** p. 121, (*Aëdimorphus*) *cumminsi* **var. n.** *daruensis* p. 123, Sierra Leone fig., EVANS Ann. Trop. Med. & Parasit. **19**.—*A.* (*Stegomyia*) *albopictus* bionomics pp. 215–225, SEN Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Aëdomyia venustipes Skuse (= *Lepiothauma furfurea* End.) p. 262, EDWARDS Bull. Ent. Res. **15**.

Aniella togoensis see *Aëdes apicoargenteus*.

Anopheles, effects of habitat on, 33 pp. figs., ALESSANDRINI Lo studio biologico della risaia, Min. Int. Econ. Naz. Rome 1925.—*A.*, artificial breeding and biology pp. 452–460 figs., MARTINI Centralbl. Bakt. (1) **94**.—*A.*, effect of atmospheric humidity on habits pp. 288–291, NECHELES Arch. Schiffs-Trop.-Hyg. **29**.—*A. maculipennis* habits of larva, Russia pp. 337–373, BEKLEMISHEV Bull. Inst. Rech. biol. et Sta. biol. Univ. Perm **3**; oviposition & resistance of eggs pp. 396–402 figs., BRUMPT Ann. Parasit. hum. & comp. **3**; hibernation pp. 405–407, MARCHOUX Bull. Soc. Path. exot. **18**; (*claviger*) anatomy and physiology pp. 113–122 fig., MISSIROLI Ann. d'Igiene **35**.—*A.* spp. of Indo-China p. 222 figs., BOREL Arch. Inst. Pasteur Indochine **1925**.—*A.*, notes on bromelicolous pp. 25–27, (*Dendropaedium*) *bellator* **r. n.** *bromelicola* Venezuela p. 27, DYAR Ins. Insc. Mens. **13**.—*A. celidopus* **sp. n.** Brazil p. 41, DYAR & SHANNON J. Wash. Acad. Sci. **15**.—*A. marshalli* **varr. n.** *moucheti* Belgian Congo p. 211, *freetownensis* Sierra Leone p. 461 figs., EVANS Ann. Trop. Med. & Parasit. **19**.—*A. sacharovi* **sp. n.** Transcaucasia p. 189, FAVR An attempt to study malaria in Russia in its sanitary aspect, 1903.—*A.*, key to Formosan spp. p. 12, *pleccau* p. 16 [see *A. japonicus* Yamada], *taiwensis* p. 20, *splendidus* p. 22, *hatorii* p. 23, **spp. n.** Formosa

figs., KOIDZUMI Rept. Sci. Inst. Taihoku no. **8** 1920.—*A. candidiensis* **sp. n.** Formosa pp. 314–377 figs., KOIDZUMI Dobuts. Z. **37.**—*A. alagoanii* **sp. n.** Brazil p. 258, PERYASSÚ A Folha medica **6.** — *A. argyritarsis* R.-D. (= *albitarsis* Arrib.) anatomy pp. 295–302 figs., PETROCCHI Rev. Inst. bact. **2** 1919.—*A. bachmanni* **sp. n.** Argentina p. 69 figs., PETROCCHI Rev. Inst. bact. **4.**—*A.* (*Myzomyia*) *ludlowi* **var. n.** *sundaica* Indian Archipelago p. 201, RODENWALDT Geneesk. Tijdschr. Ned.-Indië **65.**—*A. punctipennis, maculipennis, crucians* identification of larvae pp. 149–174 fig., RUSSELL Amer. J. Hyg. **5.**—*A. lindesaii* p. 561, *gigas, jamesii, fuliginosus* p. 562, *willmori* p. 563, larvae described fig., SINTON Ind. J. Med. Res. **12.**—*A.*, keys to adults and larvae of Palaearctic spp. pp. 22, 110, STACKELBERG Rev. Microbiol. & Epidémiol. **4.**—*A.* (*Nyssorhynchus*) *annulipes* **var. n.** *moluccensis* p. 1; (*Stethomyia*) *aitkenii* **varr. n.** *insulaeflorum* p. 2 Moluccas, *papuae* New Guinea; (*Neomyzomyia*) *punctulatus* **var. n.** *orientalis* Moluccas p. 3, figs., SWELLENGREBEL & SWELLENGREBEL DE GRAAF Supplmt. to Meded. Burg. Geneesk. Dienst Ned.-Ind. 1919 Deel 6 1920.—*A.* (*Myzomyia*) *ludlowi* **var. n.** *flavescens* Dutch E. Indies p. 47 fig., SWELLENGREBEL Kolon. Inst. Amsterdam Meded. **15** 1921.—*A.* (*Cellia*) *errabunda* **sp. n.** Borneo p. 1913 fig., SWELLENGREBEL Nederl. Tijdschr. Geneesk. **69** 1.—*A. pharoensis, elutus, multicolor, sergenti, superpictus* early stages Palestine pp. 377–382 figs., THEODOR Bull. Ent. Res. **15.**—*A. japonicus* **sp. n.** Japan p. 689, YAMADA Eiseigaku Densenbyoka Zasshi **13** 1918. (In Japanese.)—*A. japonicus* Yam. (= *pleccau* Koidzumi), redescription in English p. 219; *hyrcanus* var. *sinensis* synonymy p. 223; *sineroides* **sp. n.** Japan p. 233; *koreicus* Yam. & Watanabe (= *punctibasis* Edw.) redescription in English p. 235; *edwardsi* **sp. n.** Japan p. 238, YAMADA Sci. Repts. Govt. Inst. Infect. Dis. Tokyo 1924 **3.**—*A. koreicus* **sp. n.** Korea p. 206, YAMADA & WATANABE Jikken Igaku Zasshi **2** 1918. (In Japanese.)

Armigeres denbesteni **sp. n.** Ceram p. 345 figs., BRUG Bull. Ent. Res. **15.**

Catatassomyia **gen. n.** (Sabethini) *meronephada* **sp. n.** Philippines p. 71, DYAR & SHANNON Ins. Insc. Mens. **13.**

Cellia see *Anopheles.*

Chaoborus crystallinus De G. (= *Sayomyia rotundifolia* Felt) distinct from *americanum* Johannsen (= *Corethra plumicornis* var. *americana* Joh. = *S. americana* Felt = *S. hudsoni* Felt) p. 159, MATHESON Can. Ent. **57.**—*C. crystallinus* biology of winter larvae p. 948, DE LÉPINEY C.R. Soc. Biol. **92.**

Chrysoconops nocturnus see *Taeniorhynchus cristatus.*

Conopostegus **subgen. n.** see *Aëdes.*

Corethra plumicornis phototropism p. 32, MERKER Zool. Jahrb. Abt. Allgem. **42**; var. *americana* see *Chaoborus.*

Culex (*Choeroporpa*) *meroneus* Colombia p. 22, (*Melanoconion*) *loturus* Venezuela **spp. n.**, (*Choeroporpa*) *taeniopus* further description p. 214, DYAR Ins. Insc. Mens. **13.**—*C. nematoides* **sp. n.** Philippines ? p. 84, DYAR & SHANNON Ins. Insc. Mens. **13.**—*C. bequaerti* **sp. n.** Brazil, *albinensis* Bonne-Webster & Bonne (= *gordoni* Evans) p. 40, DYAR & SHANNON J. Wash. Acad. Sci. **15.**—*C. argenteopunctatus* Ventr. (= *Heptaphlebomyia kingii* Theo.) p. 261, EDWARDS Bull. Ent. Res. **15.**—*C.* (*Lasiosiphon* **subgen. n.** p. 372) *pluvialis* p. 373, (*Neoculex*) *deserticola* p. 378, *sinaiticus* p. 383, **spp. n.** Egypt figs., KIRKPATRICK Bull. Soc. R. ent. Egypte **1924.**—*C. lavieri* **sp. n.** France p. 68 fig., LARROUSSE Ann. Parasit. hum. & comp. **3.**—*C. torrentium* **sp. n.** Germany p. 336, MARTINI Internat. Rev. Hydrobiol. u. Hydrograph. **12.**—*C. tripunctatus* p. 24, *karatsuensis* p. 28, **spp. n.** Japan figs., MOCHIZUKI Mag. Fukuoka Med. Coll. **7** 1913.—*C. pseudomimeticus* **sp. n.** France p. 15, *lavieri* larva redescribed & key p. 18 figs., SÉGUY Encyc. ent. Ser. B. II Dipt. **2.**

Deinocerites monospathus **sp. n.** Panama p. 155, DYAR Ins. Insc. Mens. **13.**

Dendromyia see *Prosopolepis.*

Ficalbia luzonensis early stages p. 220, SENIOR-WHITE Spolia Zeylanica **13.**

Heptaphlebomyia kingii see *Culex argenteopunctatus.*

Kingia alberti see *Aëdes apicoargenteus, K. maculoabdominalis* see *A. fraseri.*

Lasiosiphon **subgen. n.** see *Culex.*

Lepiothauma furfurea see *Aëdomyia venustipes.*

Mansonia humeralis ♂ p. 23, larva p. 25, subgenera of, with genitalic characters figured pp. 40–43, (*Mansonioides*) *marquesensis* sp. n. Lorenço Marques p. 43, DYAR Ins. Insc. Mens. **13.**—*M. indubitans* **sp. n.** Brazil p. 41, DYAR & SHANNON J. Wash. Acad. Sci. **15.**

Megarhinus nepenthis p. 66, *gigantulus* p. 67, **spp. n.**, Philippines, DYAR & SHANNON Ins. Insc. Mens. **13.**

Mimomyia pallida **sp. n.** Nyasaland p. 263, EDWARDS Bull. Ent. Res. **15.**

Mucidus mucidus Karsch (= *nigerrimus* Theo.) p. 261, EDWARDS t.c.

Myzomyia see *Anopheles.*

Neomyzomyia see *Anopheles.*

Nyssorhynchus see *Anopheles.*

Phoniomyia see *Wyeomyia.*

Prosopolepis (= *Dendromyia*) p. 226, DYAR Ins. Insc. Mens. **13.**—*P. hemisiris* **sp. n.** Panama p. 234, DYAR & SHANNON J. Wash. Acad. Sci. **15.**

Rachionotomyia distigma **sp. n.** Solomon Is. p. 257, EDWARDS Bull. Ent. Res. **15.**

Sabethoides bipartipes predacious larva p. 32, BONNE-WEPSTER & BONNE Ins. Insc. Mens. **13.**—*S. glaucodaemon* **sp. n.** Brazil p. 39, DYAR & SHANNON J. Wash. Acad. Sci. **15.**

Sayomyia rotundifolia see *Chaoborus crystallinus*; *S. americana*, *S. hudsoni* see *C. americanum.*

Stethomyia see *Anopheles.*

Taeniorhynchus (*brevicellulus* Theo.=) *crassipes* Wulp; *annulipes* Wlk. (= *longipalpis* Wulp); *perturbans* Wlk. (= *testaceus* Wulp) p. 260, *cristatus* Theo. (= *Chrysoconops nocturnus* Theo.) p. 261, EDWARDS Bull. Ent. Res. **15.**

Technicomyia **subgen. n.** see *Wyeomyia.*

Theobaldia tonnoiri **sp. n.** N. Zealand p. 258, EDWARDS Bull. Ent. Res. **15.**—*T. glaphyroptera*, larva described p. 335, MARTINI Internat. Rev. Hydrobiol. u. Hydrograph. **12.**

Tricholeptomyia **gen. n** (near *Wyeomyia*) for *nepenthicola* Banks (= *mus* Dyar) p. 73, DYAR & SHANNON Ins. Insc. Mens. **13.**

Uranotaenia briseis **sp. n.** Venezuela p. 216, DYAR Ins. Insc. Mens. **13.**—*U. ludlowae*, *clara* p. 68, *innotata* p. 69, **spp. n.** Philippines, DYAR & SHANNON Ins. Insc. Mens. **13.**—*U. xanthomelaena* **sp. n.** Kuala Lumpur p. 259, EDWARDS Bull. Ent. Res. **15.**—*U. kalabahensis* **sp. n.** Lesser Sunda Is. p. 43, HAGA Bull. Ent. Res. **16.**

Wyeomyia (*Technicomyia* **subgen. n.**) *florestan* **sp. n.** Panama p. 20, (= *Phoniomyia*) p. 226, DYAR Ins. Insc. Mens. **13.**

ORPHNEPHILIDAE (THAUMALEIDAE).

Orphnephilidae of France with keys, SÉGUY Faune de France **12** pp. 17–20 figs.

PSYCHODIDAE.

Psychodidae of France with keys, SÉGUY Faune de France **12** pp. 82–89 figs.

A simple method of breeding sandflies, SMITH Ind. J. Med. Res. **12** pp. 741–742 figs.

Brunettia sapphirina **sp. n.** Sumatra p. 160, EDWARDS Treubia **6.**

Lutzomyia **subgen. n.** see *Phlebotomus.*

Phlebotomus (*Lutzomyia* **subgen. n.** for *Lutzia* França nec Theo.) *longipalpis* sep. p. 10, FRANÇA J. Sci. mat., fis. e nat. (3) 17 1924.—*P. minutus* **var. n.** *meridionalis* p. 3, *grassii* **sp. n.** p. 5 Italy fig., PIERANTONI Boll. Mus. Zool. Torino **39** (1924) 1925 N.S. **21.**—*P. caucasicus* ♂ described p. 90, 117, *sergenti* distinguishing characters pp. 95, 117, POPOV Rev. Microbiol. & Epidémiol. **4.**—*P.*, abnormalities in appendages pp. 467–469, *argentipes* (= *annandalei* Sinton) notes on adult pp. 789–799, methods of collection & preservation pp. 801–806 **12**; hypopygium of ♀ pp. 97–107 **13** figs., SINTON Ind. J. Med. Res.

Psychoda phalaenoides tracheal system 34 pp. figs., KEMPER Zool. Inst. Westf. Wilhelms-Univ. Diss. 1925 Münster i. W.

PTYCHOPTERIDAE.

Ptychopteridaeof France with keys, SÉGUY Faune de France **12** pp. 7–17 figs.

Paraptychoptera surcoufi **sp. n.** Algeria p. 22, SÉGUY Encyc. ent. Ser. B. II Dipt. **2.**

TANYDERIDAE.

Tanyderus (*Radinoderus*) *occidentalis* **sp. n.** W. Australia p. 32, ALEXANDER Ins. Insc. Mens. **13.**

TRICHOCERIDAE.

Trichocera arctica **sp. n.** Arctic Siberia p. 28 figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Trichocerodes **gen. n.** p. 172, *georgianus* **sp. n.** S. Georgia I. p. 173 fig., BRÈTHES Comun. Mus. nac. Hist. nat. **2.**

DIXIDAE.

Dixa indiana **sp. n.** Indiana p. 217, *somnolenta* Dyar & Shannon (= *spiralis* Garrett) p. 218, DYAR Ins. Insc. Mens. **13.**—*D.*, of France pp. 49–55, key p. 52 figs., SÉGUY Faune de France **12.**—*D.*, physiology and ecology of larvae p. 329, STEMPELL Arch. Hydrobiol. **16.**—*D. septentrionalis* p. 226, *philpotti* p. 227, *neozelandica* p. 228, *fuscinervis* p. 229 **spp. n.**; **subgen. n.** *Paradixa*, key p. 223; *harrisi* **sp. n.** p. 311 New Zealand figs., TONNOIR Rec. Canterbury Mus. **2** 1924.

Dixella **gen. n.**, *minuta* **sp. n.** New Zealand p. 230 figs., TONNOIR Rec. Canterbury Mus. Christchurch **2** 1924.—See *Neodixa.*

Neodixa **n. n.** for *Dixella* Tonnoir nec Dyar & Sh. New Zealand p. 311, TONNOIR Rec. Canterbury Mus. **2** 1924.

Paradixa **subgen. n.** see *Dixa.*

TIPULIDAE (including LIMNOBIIDAE).

Crane-flies of Mexico, Part I, ALEXANDER Ann. Ent. Soc. Amer. **18** pp. 341–359 figs.

Relationships indicated by the thoracic sclerites of Eriopterine Tipuloid Diptera, CRAMPTON Ins. Insc. Mens. **13** pp. 197–213 figs.

Revision of Danish Tipulidae, NIELSEN Danmarks Fauna **28** pp. 1–165 figs.

The Tipulidae of France, PIERRE Faune de France **8** 1924 159 pp. figs.

Adelphomyia nipponensis **sp. n.** Japan p. 77, ALEXANDER Ann. Mag. N. H. (9) **15.**

Amalopis larva described Bohemia p. 135 figs., VIMMER Sbornik ent. odd. Narod. Mus. Praze **2** (18) 1924.

Amphineurus fimbriatulus p. 75, *nothofagi*, *hastatus* p. 76, *spinulistylus* p. 77, *cacoxenus*, *patruelis*, *ochroplaca* p. 78, *pulchripes* p. 79, **spp. n.** New Zealand, ALEXANDER Ann. Mag. N. H. (9) **16.**

Antocha gracillima **sp. n.** Japan p. 67, ALEXANDER op. cit. (9) **15.**—*A.* (*A.*) *obtusa* **sp. n.** Quebec p. 201, ALEXANDER Ent. News **36.**

Aphrophila vittipennis **sp. n.** New Zealand p. 73, ALEXANDER Ann. Mag. N. H. (9) **16.**

Brithura fractistigma **sp. n.** China p. 392 fig., ALEXANDER op. cit. **15.**

Campbellomyia **subgen. n.** see *Gnophomyia.*

Chionea waughi **sp. n.** Labrador p. 24, CURRAN Can. Ent. **57.**—*C.*, biology in snow pp. 69–76, 99–105, RIMSKY-KORSAKOW Zs. wiss. Insektenbiol. **20.**

Ctenacroscelis nigricauda **sp. n.** Celebes p. 169, EDWARDS Treubia **6.**

Cylindrotoma splendens life-history pp. 9–12 figs., CAMERON Proc. Ent. Soc. Br. Columbia **12** 1919.

†*Cyttaromyia reclusa* Eocene, Colorado p. 7 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.—†*C. obdurescens* **sp. n.** Green River Eocene, Colorado p. 12 fig., COCKERELL op. cit. **66** art. 19.

Dicranomyia praepostera p. 342, *ravida* p. 343, *tricornis* p. 344, *filicauda* p. 345, *melanocera*, *dampfi* p. 346, **spp. n.** Mexico figs., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*D. archeyi* p. 164, *lindsayi* p. 166, **spp. n.** Chatham Is. (N. Z.) figs., ALEXANDER Rec. Canterbury Mus. **2** 1924.—*D. mesosternatoides*, *variispina* p. 65, *basiseta* p. 66, **spp. n.** Japan, ALEXANDER Ann. Mag. N. H. (9) **15.**—*D. nelsoniana*, *plurispina*, p. 65, *fulviceps* p. 67, *tristigmata* p. 68 **spp. n.**, *sulphuralis* **subsp. n.** *chlorophylloides* p. 67 N. Z., ALEXANDER op. cit. (9) **16.**—*D. amurensis* **sp. n.** Siberia p. 5 fig., ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.—*D.* (*Alexandriaria*) *brevissima* **sp. n.** Philippines p. 71, ALEXANDER Phil. J. Sci. **27.**—*D. majuscula* **sp. n.** Morocco p. 200 fig., PIERRE Bull. Soc. Sci. nat. Maroc **4** 1924.

Dicranota ♂ genitalia p. 202, *divaricata* **sp. n.** N. Carolina p. 203, ALEXANDER Ent. News **36.**

Dictenidia fasciata **subsp. n.** *semifasciata* Japan p. 392, ALEXANDER Ann. Mag. N. H. (9) **15.**

Discobola chathamica **sp. n.** Chatham Is. (N. Z.) p. 167, ALEXANDER Rec. Canterbury Mus. **2** 1924.

Elephantomyia alticola **sp. n.** Mexico p. 348 fig., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*E.* (*Elephantomyodes*) *samarensis* **sp. n.** Philippines p. 372 fig., ALEXANDER Phil. J. Sci. **28.**

Elliptera jacoti **sp. n.** China p. 388, ALEXANDER Ann. Mag. N. H. (9) **15.**

Eriocera rufipennis **sp. n.** China p. 87 fig., ALEXANDER Encyc. ent. Ser. B II Dipt. **2.**—*E. subrectangularis* **sp. n.** Japan p. 76, ALEXANDER Ann. Mag. N. H. (9) **15.**—*E. cinereithorax* p. 73 **27,** *spatulata* p. 371 **28, spp. n.** Philippines, ALEXANDER Phil. J. Sci.—*E. karnyi, salakensis* **spp. n.** Java p. 167, EDWARDS Treubia **6.**

Erioptera fuscohalterata **sp. n.** Siberia p. 11 fig., ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.—*E. inornatipes* p. 351, *ochricauda* p. 352, *alticola* p. 353, *curta* p. 354, *tridentata, unidentata* p. 355, **spp. n.** Mexico figs., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*E.* (*Baeoura*) *semicincta* **sp. n.** Philippines p. 74, ALEXANDER Phil. J. Sci. **27.**

Esakiomyia **gen. n.** p. 73, *filicornis* **sp. n.** Japan p. 74, ALEXANDER Ann. Mag. N. H. (9) **15.**

Geranomyia cornigera further description p. 369, ALEXANDER Phil. J. Sci. **28.**

Gnophomyia, Campbellomyia **subgen. n.** p. 70, type *alpina* Alex., *venustipennis* **sp. n.** p. 71 New Zealand, ALEXANDER Ann. Mag. N. H. (9) **16.**

Gonomyia tuberculata **sp. n.** Mexico p. 349 fig., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*G. gracilistylus* **sp. n.** Japan p. 70, ALEXANDER Ann. Mag. N. H. (9) **15.**

Gynoplistia chathamica **sp. n.** Chatham Is. (N.Z.) p. 169, ALEXANDER Rec. Canterbury Mus. **2** 1924.

Heterangaeus **gen. n.,** *esakii* p. 79, *spectabilis* p. 80, **spp. n.** Japan, ALEXANDER Ann. Mag. N. H. (9) **15.**

Lechria philippinensis **sp. n.** Philippines p. 72, ALEXANDER Phil. J. Sci. **27.**

Libnotes alexanderi, vittata **spp. n.** Java p. 162, EDWARDS Treubia **6.**

Limnophila breviramus p. 71, *upsilon* p. 72, *subnemoralis* p. 73 **spp. n.**; *subaprilina* **subsp. n.** *yezoensis* p. 72; *acutistylus* p. 389 Japan, fig., *novaezemblae* Novaya Zemlya p. 390 **spp. n.** fig., ALEXANDER Ann. Mag. N. H. (9) **15.**—*L. discicollis* pupa described p. 136 figs., VIMMER Sbornik ent. odd. Narod. Mus. Praze **2** (18) 1924.

Limonia obtusistylus **sp. n.** Mexico p. 347 fig., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*L. trigonia* **subsp. n.** *samarensis* Philippines p. 370, ALEXANDER Phil. J. Sci. **28.**—*L. biceps* **sp. n.** Japan p. 386 figs., ALEXANDER Ann. Mag. N. H. (9) **15.**—*L. stoneri* **sp. n.** Fiji p. 13, ALEXANDER Univ. Iowa Studies **11.**

Molophilus (*Dasymolophilus*) *niphadias* Michigan p. 229, (*M.*) *floridensis* Florida p. 230, **spp. n.,** ALEXANDER Ent. News **36.**—*M. sericatus* Japan p. 68, *heteracanthus* p. 636, *myersi* p. 637, *subuliferus, porrectus* p. 638, *tonnoiri* p. 639, *greyensis* p. 640, *curvistylus* p. 641, *satyr* p. 642, *bifalcatus* p. 643, *reduncus* p. 644, *pallidulus* p. 645, *curtivena, marcophallus* p. 646, *pediformis* p. 647, *pugnax* p. 648, *harrisianus* p. 649, *aenigmaticus* p. 650, New Zealand **spp. n.,** ALEXANDER Ann. Mag. N. H. (9) **15.**—*M. severus* p. 350, *paucispinosus* p. 351, **spp. n.** Mexico figs., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*M. lobiferus* **sp. n.** Siberia p. 11, ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.

Mongoma flavicollis **sp. n.** Java p. 166, EDWARDS Treubia **6.**

Nephrotoma dampfi **sp. n.** Mexico p. 358 fig., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*N. nigricauda* p. 397, *angustistria* p. 398, *ozenumensis* p. 399, *flammeola* p. 400, *subpallida* p. 401, Japan, *ligulata* p. 402, *bispinosa* p. 404, *duchazaudi* p. 405, *rectispina* p. 406 China, **spp. n.,** ALEXANDER Ann. Mag. N. H. (9) **15.**—*N. flavoscutellata* **sp. n.** Java p. 169, EDWARDS Treubia **6.**

Orimargula philippina ♀ further described p. 370 figs., ALEXANDER Phil. J. Sci. **28.**—*O. gracilicornis* **sp. n.** Sumatra p. 163, EDWARDS Treubia **6.**

Ormosia carolinensis **sp. n.** N. Carolina p. 229, ALEXANDER Ent. News **36.**—*O. horiana* **sp. n.** Japan p. 69, ALEXANDER Ann. Mag. N. H. (9) **15.**

Pachyrhina kozhevnikovi **sp. n.** Persia p. 108, DODONOV Konowia **4.**—*P. crocata* colour variation pp. 662–664 figs., PIERRE C.R. Assoc. franç. Avanc. Sci. **45** (1921) 1922.—*P. surcoufi*

Algeria, *astigma* Tunisia p. 9, *iridipennis* p. 10, *nigrichroma* p. 11 Kamerun, **spp. n.** figs., PIERRE Encyc. ent. Ser. B II Dipt. **2.**—*P. orbitalis* **sp. n.** Kara Tundra p. 9 fig., RIEDEL Mém. Acad. imp. Sci. **28** no. 8 1919.

Pedicia cockerelli **sp. n.** Siberia p. 9 figs., ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.

Pselliophora bakeri p. 77, *mcgregori* p. 78 **27**, *tigriventris* p. 375 **spp. n.**; *praefica* **subsp. n.** *fenestrella* p. 374 **28**, Philippines figs., ALEXANDER Phil. J. Sci.—*P. bicolor* **sp. n.** Java p. 168, EDWARDS Treubia **6.**

Pseudolimnophila ochracea **subsp. n.** *asiatica* Siberia p. 7, ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.—*P. horii* **sp. n.** Japan p. 391, ALEXANDER Ann. Mag. N. H. (9) **15.**

Psiloconopa forcipata **sp. n.** Arctic Siberia p. 27 fig., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no. 8 1915.

Rhabdomastix usuriensis **sp. n.** Siberia p. 13, ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.—*R. sagana* **sp. n.** N. Z. p. 69, ALEXANDER Ann. Mag. N. H. (9) **16.**

Rhaphidolabina sibirica **sp. n.** Siberia p. 10, ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.

Rhaphidolabis ♂ genitalia p. 202, *rogersiana* **sp. n.** Michigan p. 204, ALEXANDER Ent. News **36.**

Rhicnoptila polaris **sp. n.** Polar Ural p. 2 fig., RIEDEL Mém. Acad. imp. Sci. **28** no. 8 1919.

Rhipidia (*Monorhipidia*) *sibirica* **sp. n.** Siberia p. 6, ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.

Styringomyia flavocostalis p. 76 **27** *mcgregori* p. 373 **28**, **spp. n.** Philippines figs., ALEXANDER Phil. J. Sci.—*S. melania*, *fuscinervis* **spp. n.** Java p. 164, EDWARDS Treubia **6.**

Tanyptera jozana **subsp. n.** *fumibasis* Japan p. 392, ALEXANDER Ann. Mag. N. H. (9) **15.**

Tasiocera cervicula p. 74, *triton* p. 75, **spp. n.** New Zealand, ALEXANDER op. cit. (9) **16.**

Teucholabis quinquemaculata p. 74, *confluenta* p. 75, **spp. n.** Philippines, ALEXANDER Phil. J. Sci. **27.**

Tipula conjuncta Siberia p. 88, *suensoni* China p. 89 **spp. n.**, *coquillettiana* further description p. 91 figs., ALEXANDER Encyc. ent. Ser. B. II Dipt. **2.**—*T. ampliata* p. 394, *sachalinensis* p. 395, **spp. n.** Japan, ALEXANDER Ann. Mag. N. H. (9) **15.**—*T. montezumae* p. 356, *azteca* p. 357, **spp. n.** Mexico figs., ALEXANDER Ann. Ent. Soc. Amer. **18.**—*T. cockerelliana* p. 14, *ligulifera* p. 15, *amurensis* p. 16, *usuriensis* p. 18, *sibiriensis* p. 19, **spp. n.** Siberia figs., ALEXANDER Proc. U. S. Nat. Mus. **68** art. 4.—*T.*, *Vestiplex* **subgen. n.** type *cisalpina* Riedel p. 230, (*V.*) *hemapterandra* **sp. n.** N. Italy p. 231, BEZZI Ann. Mus. Gen. **51** 1924.—*T. oleracea* early stages p. 129 figs., BODENHEIMER Zool. Jahrb. Abt. Syst. **48** 1924.—*T. czizeki* **sp. n.** Holland p. 31, DE JONG Versl. & Meded. Plantenziektenk. Dienst no. **42.**—*T.* (*Tipulodina*) *fuscitarsis* p. 171, *tinctipes* p. 172, **spp. n.** Java, EDWARDS Treubia **6.**—*T. tristriata* p 30, *glaucocinerea* p. 31, *ciliata* p. 32, **spp. n.** Arctic Siberia figs., LUNDSTRÖM Mém. Acad. imp. Sci. **29** no 8 1915.—*T. hirsuticauda* p.7, *pachyrhina* p. 8, **spp. n.** Tunisia figs., PIERRE Encyc. ent. Ser. B II Dipt. **2.**—*T. anormalipennis* p. 198, *atlas* p. 199, *cinereicolor* p. 200, **spp. n.** Morocco fig., PIERRE Bull. Soc. Sci. nat. Maroc **4** 1924.—*T. postposita* p. 5, *invenusta* p. 6 Polar Ural, *moesta* Kara p. 8, **spp. n.** figs., RIEDEL Mém. Acad. imp. Sci. **28** no. 8 1919.—*T. lindneri* **sp. n.** Dalmatia p. 84 fig., RIEDEL D. ent. Zs. **1925.**

†*Tipulidites* **gen. n.** *affinis* **sp. n.** Rhaetic strata Argentine p. 25 fig., WIELAND Amer. J. Sci. (5) **9.**

Tipulodina luzonica **sp. n.** Philippines p. 79, ALEXANDER Phil. J. Sci. **27.**

†*Tipuloidea* **gen. n.** *rhaetica* **sp. n.** Rhaetic strata Argentine p. 23 figs., WIELAND Amer. J. Sci. (5) **9.**—†*T. rhaetica* Wieland transferred to Homoptera, fam. Scytinopteridae p. 676, TILLYARD Nature **116.**

Tricyphona seticauda **sp. n.** Japan p. 77, ALEXANDER Ann. Mag. N. H. (9) **15.**

Ulomorpha nigricolor **sp. n.** Japan p. 75, ALEXANDER t.c.

Vestiplex **subgen. n.** see *Tipula.*

STRATIOMYIIDAE.

Studies on Stratiomyiids of Palaearctic Region with various keys, PLESKE Encyc. ent. Ser. B II Dipt. **1** pp. 105–110, 165–188; Dipt. **2** pp. 23–40.

Acanthinia bequaerti **sp. n.** Brazil p. 358, CURRAN Ann. Mag. N. H. (9) **16.**

Adoxomyia ruficornis ♂ described p. 115, *alaschanica* Mongolia p. 116, *lugubris* China, *maschouk* Caucasus p. 117 **spp. n.,** (= *Euclitellaria*) *brevispina,* Kert. ♂ described p. 118, PLESKE Encyc. ent. Ser. B II Dipt. **1.**

Alphoxycera **subgen. n.** see *Hermione.*

Betoxycera **subgen. n.** see *Hermione.*

Cyphomyia imitans **sp. n.** Brazil p. 244, CURRAN Ann. Mag. N. H. (9) **16.**

Euclitellaria brevispina see *Adoxomyia.*

Eulalia oasina **sp. n.** Egypt p. 150 fig., LINDNER Bull. Soc. R. ent. Egypte **1925.**—*E.*, further descriptions of many spp. pp. 23–40, PLESKE Encyc. ent. Ser. B II Dipt. **2.**

Euoxycera **subgen. n.** see *Hermione.*

Euparyphus lagunae further description p. 55, COLE J. Ent. & Zool. **17.**

Hadrestia minor **sp. n.** Chile p. 104, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Hermione key to subgenera, *Euoxycera* **subgen. n.** p. 166; (*E.*) *trilineata* **subspp. n.** *transfasciata,* Europe p. 169, *ferghanensis* Turkestan; *Paroxycera* p. 170, *Macroxycera* p. 171 **subgenn. n.**; (*M.*) *meigeni* **subsp. n.** *sinica* China p. 174; (*M.*) *caucasica* **subspp. n.** *transcaspia* Transcaspia p. 175, *pallidipes* Persia; *Metoxycera* **subgen. n.** p. 176, (*M.*) *flavopilosa* **sp. n.** Siberia p. 177; *Alphoxycera* p. 178 (corrected key under *Alphaoxycera* p. 188), *Betoxycera* p. 179, *Microxycera* p. 182 **subgenn. n.,** PLESKE Encyc. ent. Ser. B II Dipt. **1.**

Hermionella **gen. n.** p. 185, *seguyi* **sp. n.** Transcaucasia p. 186, PLESKE t.c.

Hirta efflatouni **sp. n.** Egypt p. 148 fig., LINDNER Bull. Soc. R. ent. Egypte **1925.**

Lasiopa key p. 186, PLESKE Encyc. ent. Ser. B II Dipt. **1.**

Macroxycera **subgen. n.** see *Hermione.*

Metoxycera **subgen. n.** see *Hermione.*

Microxycera **subgen. n.** see *Hermione.*

Nemotelus neotropicus p. 243, *disjunctus* p. 244, **spp. n.** Peru, CURRAN Ann. Mag. N. H. (9) **16.**—*N. brachystomus* **f. n.** *aegyptiacus* Egypt p. 146 fig., LINDNER Bull. Soc. R. ent. Egypte **1925.**

Odontomyia megantica Quebec p. 254, *johnsoni* Mississippi p. 255, **spp. n.,** CURRAN Can. Ent. **57.**—*O. annamariae* **sp. n.** N. Carolina p. 76, BRIMLEY Ent. News **36.**

Paroxycera **subgen. n.** see *Hermione.*

Potamida bergeri **sp. n.** E. Siberia p. 108, PLESKE Encyc. ent. Ser. B II Dipt. **1.**

Sargus cuprarius early stages p. 558 figs., MÜLLER Zs. Morph. Oekol. Tiere **3.**

TABANIDAE.

Basis of a new classification of the Tabanidae, with keys to subfamilies and genera, ENDERLEIN Mitt. Zool. Mus. Berlin **11** pp. 253–409 figs.

Bionomics and life-histories of some Indian Tabanidae, ISAAC Mem. Dept. Agric. India **9** pp. 21–28 figs.

Revision of Palaearctic Tabanidae, KRÖBER Flieg. Pal. Reg. **19** pp. 1–80 figs.

Egyptian Tabanidae, KRÖBER Bull. Soc. R. ent. Egypte **1925** pp. 77–137 figs.

The Tabanids of France & neighbouring countries, SURCOUF Encyc. ent. Ser. A **5** 1924 261 pp. figs.

Aegophagomyia planifrons p. 326, *voeltzkowi* p. 327, **spp. n.** Madagascar, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Agelanius alticola, mendozanus Argentina p. 377, *niger* Chile p. 378, *maculipennis* Uruguay p. 379, **spp. n.,** ENDERLEIN t.c.

Anacimas limbellatus **sp. n.** N. America p. 376, ENDERLEIN t.c.

Ancala **gen. n.** type *fasciata* F., ENDERLEIN op. cit. **10** 1922 p. 348; **11** p. 352.

Archiplatius **gen. n.** type *trifarius* Macq. (**10** 1922 p. 348) p. 373, *argentinus* **ab. n.** *agelanides* Argentina, *triangulifer*us (with **var. n.** *ochraceus*) Chile, *columbianus* Colombia p. 374, *pygmaeus* Argentina p. 375, **spp. n.,** ENDERLEIN op. cit. **11.**

Ateloza fülleborni **sp. n.** E. Africa p. 344, ENDERLEIN t.c.

Atylotus revision of Palaeactic spp. p. 35, KRÖBER Arch. Natg. **90** A 9.—*A lasios* **n. n.** for *pusillus* Egger nec Macq. p. 139, SURCOUF Encyc. ent. Ser. A **5** 1924.

Bolbodimyia desecta **sp. n.** Bolivia p. 341, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Bombominetes **gen. n.** type *rufoaurea* Phil., ENDERLEIN op. cit. **10** 1922 p. 340; **11** p. 296.

Bouvierella voeltzkowi **sp. n.** Madagascar p. 327, ENDERLEIN op. cit. **11.**

Brachypsalidia **gen. n.** type *impressa* Wied., ENDERLEIN op. cit. **10** 1922 p. 344; **11** p. 393.

Calliosca **gen. n.** p. 405, *schoenemanni* **sp. n.** Chile p. 406, ENDERLEIN op. cit. **11.**

Chasmia **gen. n.** p. 344, ENDERLEIN op. cit. **10** 1922; type *C. bicincta* **sp. n.** New Guinea p. 331, op. cit. **11.**

Chasmiella **gen. n.** type *breviuscula* Walk., ENDERLEIN op. cit. **10** 1922 p. 344; **11** p. 331.

Chelommia **gen. n.** p. 345, ENDERLEIN op. cit. **10** 1922; type *C. fibulata* **sp. n.** Colombia p. 382, op. cit. **11.**

Chrysops key p. 12, *willistoni* Guatemala p. 15, *melaenus* Panama p. 17, **spp. n.**, HINE Occ. Pprs. Mus. Zool. Univ. Michigan no. **162.**—*C.*, Mexican, S. & Central American and Insular pp. 210–256, keys p. 219, (*Heterochrysops*) *giganteus* **sp. n.** Mexico p. 229; *costatus* **varr. n.** *peruviensis* Peru, *venezuelensis* Venezuela p. 235; *molestus* **var. n.** *flavipennis* Ecuador p. 243; *soror* **sp. n.** Venezuela p. 245; *calogaster* **var. n.** *mexicanus* Mexico p. 248; *crucians* **varr. n.** *peruvianus* Peru p. 254, *lutzi* Paraguay, Brazil, Peru p. 255, KRÖBER Konowia **4.**

Coenura kröberi **sp. n.** Patagonia p. 23, LINDNER Konowia **4.**

Copidapha **gen. n.** p. 337, ENDERLEIN Mitt. Zool. Mus. Berlin **10** 1922; type *C. bifasciata* **sp. n.** Queensland p. 270, op. cit. **11.**

Dasyapha **gen. n.** p. 343, ENDERLEIN op. cit. **10** 1922; type *D. bisulcata* Chile p. 310, *mendozana* Argentina p. 311, **spp. n.**, op. cit. **11.**

Dasycompsa **gen. n.** p. 344, ENDERLEIN op. cit. **10** 1922; type *D. cincta* **sp. n.** Kamerun p. 317, op. cit. **11.**

Dasyommia **gen. n.** p. 346, ENDERLEIN op. cit. **10** 1922; type *D. bogotana* **sp. n.** Colombia p. 349, op. cit. **11.**

Dasyphyrta **gen. n.** type *maculipennis* Macq., ENDERLEIN op. cit. **10** 1922 p. 344; **11** p. 393.

Dasyrhamphis **gen. n.** type *atra* Rossi, ENDERLEIN op. cit. **10** 1922 p. 346; **11** p. 391.

Dasystypia **gen. n.** type *rustica* L. p. 347, ENDERLEIN, op. cit. **10** 1922; *D. rustica* **var. n.** *nigra* Macedonia, S. Russia p. 370; *labaumeana* Asia Minor, *tunesica* Tunis, *mallorcana* Mallorca **spp. n.**; *fulva* **var. n.** *flavifemur* S. France p. 371, op. cit. **11.**

Dichelacera key to some American p. 35, HINE Occ. Pprs. Mus. Zool. Univ. Michigan no. **162.**—*D. ecuadoriensis* **sp. n.** Ecuador p. 383, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Dicladocera steinheili Colombia p. 384, *maculistigma* Peru p. 385, *limbativena* Colombia p. 386, **spp. n.**, ENDERLEIN t.c.

Euancala **gen. n.** type *maculatissima* Macq., ENDERLEIN op. cit. **10** 1922 p. 346; **11** p. 352.

Eucompsa **gen. n.** p. 344, ENDERLEIN op. cit. **10** 1922; type *E. aureocincta* **sp. n.** Java p. 319, op. cit. **11.**

Erephopsis schildi **sp. n.** Costa Rica p. 11, HINE Occ. Pprs. Mus. Zool. Univ. Michigan no. **162.**

Esenbeckia sexmaculata Ecuador, Colombia p. 288, *fuscipes* Mexico, *lemniscata* p. 289, *erosa* S. America, *balzapambana* Ecuador p. 290, **spp. n.**, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Fidena albibarba, *aurifasciata* p. 293, *obtusipalpis*, *longipalpis* p. 294, **spp. n.**, S. America, ENDERLEIN t.c.

Gymnochela **gen. n.** type *planiventris* Wied. p. 388, ENDERLEIN t.c.

Haematopota key, *fraseri* p. 9, *latebricola* p. 11, *belligera* p. 13, **spp. n.** Dardanelles figs., AUSTEN Bull. Ent. Res. **16.**—*H. ricardonis* **sp. n.** Ceylon p. 209 figs., SENIOR-WHITE Spolia Zeylanica **13.**

Hinea nigra **sp. n.** Neu Kamerun p. 322, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Holcopsis fenestrata **sp. n.** [no locality] p. 372, ENDERLEIN t.c.

Hybomitra **gen. n.** p. 347, ENDERLEIN op. cit. **10** 1922; type *H. solox* **sp. n.** Colorado (U.S.A.) p. 364, op. cit. **11.**

Hybommia **gen. n.** p. 348, ENDERLEIN op. cit. **10** 1922; type *H. nigripennis* **sp. n.** Kamerun p. 340, op. cit. **11.**

Hybopelma **gen. n.** type *quadripunctata* F., ENDERLEIN op. cit. **10** 1922 p. 351, **11** p. 355.

Hybostraba guttiventris Venezuela p. 356, *ovalipalpis* Paraguay p. 357, **spp. n.,** ENDERLEIN op. cit. **11.**

Laphriomyia miniatistola **sp. n.** Bolivia p. 295, ENDERLEIN t.c.

Linapha scripta **sp. n.** Brazil p. 364, ENDERLEIN t.c.

Lissimas **gen. n.** p. 350, ENDERLEIN op. cit. **10** 1922; type *L. fenestratus* **sp. n.** Celebes p. 336, op. cit. **11.**

Listrapha **gen. n.** type *latipalpis* Macq. p. 338, ENDERLEIN op. cit. **10** 1922; *L. convergens* Argentina p. 274, *imitans* Chile p. 275 **spp. n.,** op. cit. **11.**

Listriosca **gen. n.** type *australis* Phil., ENDERLEIN op. cit. **10** 1922 p. 337; **11** p. 273.

Lutziella **gen. n.** type *eristalis* Lutz, ENDERLEIN op. cit. **10** 1922 p. 350; **11** p. 337.

Melpia auribarba (with **var. n.** *albibarba*), *auricauda* Colombia p. 276, *ferruginea* Brazil p. 277, **spp. n.,** ENDERLEIN op. cit. **11.**

Metaphara **gen. n.** type *multifaria* Walk., ENDERLEIN op. cit. **10** 1922 p. 342; **11** p. 325.

Mimodynerus **gen. n.** type *anacanthus* Lutz & Neiva, ENDERLEIN op. cit. **10** 1922 p. 350; **11** p. 337.

Nuceria morstatti p. 281, *simillima* p. 282, **spp. n.** E. Africa, ENDERLEIN op. cit. **11.**

Ochrops, revision of palaearctic spp. p. 5, KRÖBER Arch. Natg. **90** A 9.

Ommallia viridis, thiemeana Colombia, *herculeana* ? S. America p. 389, *interrupta, brevihamus* Colombia p. 390, **spp. n.,** ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Ommatiosteres **gen. n.** type *bifasciata* Wied. p. 336, ENDERLEIN op. cit. **10** 1922; *O. caffrica* **sp. n.** S. Africa p. 267, op. cit. **11.**

Omnia **gen. n.** p. 348, ENDERLEIN op. cit. **10** 1922; type *O. prisca* **sp. n.** Melbourne p. 339, op. cit. **11.**

Osca faceta **sp. n.** Chile p. 273, ENDERLEIN op. cit. **11.**

Pangonius key to some American spp. p. 4, HINE Occ. Pprs. Mus. Zool. Univ. Michigan no. **162.**

Pareucompsa **gen. n.** type *P. dimidiata* v. d. Wulp, ENDERLEIN Mitt. Zool. Mus. Berlin **10** 1922 p. 344; **11** p. 320.

Parosca **gen. n.** type *viridiventris* Macq., ENDERLEIN op. cit. **10** 1922 p. 338; **11** p. 278.

Perisilvius **gen. n.** p. 344, ENDERLEIN op. cit. **10** 1922; type *P. nyassicus* **sp. n.** E. Africa p. 316, op. cit. **11.**

Phara acutipalpis **sp. n.** p. 283, *chrysostigma* **var. n.** *nigripes* p. 284 S. Africa, ENDERLEIN op. cit. **11.**

Philoliche flaviventris **sp. n.** S. Africa p. 285, ENDERLEIN op. cit. **11.**

Phyrta **gen. n.** type *amaena* Walk. p. 344, ENDERLEIN op. cit. **10** 1922; *P. nigripes* Borneo p. 394, *nigriventris* Java, *lunulata* Celebes p. 395 **spp. n.,** op. cit. **11.**

Protodasyapha **gen. n.** type *hirtuosa* Phil., ENDERLEIN op. cit. **10** 1922 p. 337; **11** p. 274.

Protodasyommia **gen. n.** near *Dasyommia* type *loewi* **sp. n.** New Zealand p. 350, ENDERLEIN op. cit. **11.**

Protosilvius **gen. n.** p. 337, ENDERLEIN op. cit. **10** 1922; type *P. termitiformis* **sp. n.** Brazil p. 273, op. cit. **11.**

Psalidia ocellata **sp. n.** Colombia p. 393, ENDERLEIN op. cit. **11.**

Pseudomelpia **gen. n.** p. 343, ENDERLEIN op. cit. **10** 1922; type *P. horrens* **sp. n.** Chile p. 312, op. cit. **11.**

Pseudoscaptia **gen. n.** p. 338, ENDERLEIN op. cit. **10** 1922; type *P. scoliiformis* **sp. n.** S. Africa p. 277, op. cit. **11.**

Pseudoselasoma brevicorne Paraguay, Colombia, *bicinctum* Surinam p. 351, **spp. n.,** ENDERLEIN op. cit. **11.**

Rhamphidommia **gen. n.** p. 345, ENDERLEIN op. cit. **10** 1922; type *R. muscosa* **sp. n.** Brazil p. 381, op. cit. **11.**

Rhamphis **gen. n.** type *bifacies* Walk. p. 346, ENDERLEIN op. cit. **10** 1922; *R. parvidens* **sp. n.** Paraguay, Brazil p. 391, op. cit. **11.**

Rhinotriclista **gen. n.** type *maculipennis* Schin. p. 338, ENDERLEIN Mitt. Zool. Mus. Berlin **10** 1922; *R. generosa* Peru p. 302, *strigata* Ecuador, *brevipalpis* Bolivia p. 303, *cingulata* Peru p. 304 **spp. n.**, op. cit. **11.**

Ricardoa **gen. n.** with type *semiflava* Wied. p. 340, ENDERLEIN op. cit. **10** 1922; *R. latiflagrum* **sp. n.** Texas p. 291, op. cit. **11.**

Scapacis **gen. n.** p. 337, ENDERLEIN op. cit. **10** 1922; type *S. fidenodes* **sp. n.** Mexico p. 268, op. cit. **11.**

Scaptiodes **gen. n.** p. 348, ENDERLEIN op. cit. **10** 1922; type *S. nigerrima* **sp. n.** Chile p. 339, op. cit. **11.**

Scione limbativena Brazil p. 300, *brevistriga* Ecuador, *lurida* Colombia, Br. Honduras p. 301, **spp. n.**, ENDERLEIN op. cit. **11.**

Silvius inflaticornis **sp. n.** Dardanelles p. 6 figs., AUSTEN Bull. Ent. Res. **16.**

Siridorhina **gen. n.** type *longirostris* Hardwicke p. 336, ENDERLEIN Mitt. Zool. Mus. Berlin **10** 1922; *S. ziemanni*, Kamerun, *discincta* Angola, **spp. n.** p. 266, op. cit. **11.**

Snowiellus stygius **sp. n.** no locality p. 353, ENDERLEIN op. cit. **11.**

Spheciogaster **gen. n.** p. 349, ENDERLEIN op. cit. **10** 1922; type *S. lutzi* **sp. n.** Brazil p. 333, op. cit. **11.**

Stenophara **gen. n.** type *S. zonata* Wlk., ENDERLEIN op. cit. **10** 1922 p. 340; **11** p. 284.

Sterrhocera **gen. n.** p. 350, ENDERLEIN op. cit. **10** 1922; type *S. pygmaea* **sp. n.** Togo p. 403, op. cit. **11.**

Stigmatophthalmus chrysurinus **sp. n.** Japan p. 387, ENDERLEIN op. cit. **11.**

Stypochela **gen. n.** p. 345, ENDERLEIN op. cit. **10** 1922; type *S. bogotana* **sp. n.** Colombia p. 386, op. cit. **11.**

Stypommia **gen. n.** p. 346, ENDERLEIN op. cit. **10** 1922; type *S. patagonica* **sp. n.** Patagonia p. 348, op. cit. **11.**

Stypommisa punctipennis **sp. n.** Brazil p. 369, ENDERLEIN op. cit. **11.**

Styporhamphis **gen. n.** type *barbara* Coqueb., ENDERLEIN op. cit. **10** 1922 p. 346; **11** p. 388.

Styposelaga **gen. n.** p. 348, ENDERLEIN op. cit. **10** 1922; type *S. sexannulata* **sp. n.** Bolivia p. 342, op. cit. **11.**

Sziladya apicalis N. Africa, *denticornis* Spain, *grisea* no locality p. 367, *atavina* Dalmatia **spp. n.**, *tricolor* **varr. n.** *ruficauda* Asia Minor, Balkans, *albifascia* Caucasus p. 368, ENDERLEIN op. cit. **11.**—See *Therioplectes.*

Sziladynus **gen. n.** for *Tabanus aterrimus* Meig. p. 180, ENDERLEIN Zool. Anz. **62.**—*S.* **n. n.** for *Therioplectes* auct. p. 131, ENDERLEIN in KRÖBER Flieg. Pal. Reg. **19.**

Tabanocella sulcaticallus **sp. n.** Madagascar p. 321, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Tabanus rousselii Macq. (= *bifarius* Loew, *kervillei* Surcouf) p. 16, *fraseri* p. 17, *oppugnator* p. 20, **spp. n.** Dardanelles figs., AUSTEN Bull. Ent. Res. **16.**—*T.* (*Therioplectes*) *polaris* **sp. n.** Arctic Siberia p. 8, FREY Mém. Acad. Sci. Russ. **29** no. 10 1915.—*T. claurensis* p. 22, *jilamensis* p. 23 Honduras, *bifloccus* (= *rufiventris* Macq.) p. 25, *gracilicornis* p. 26 Cuba, **spp. n.**; key to *oculus* group p. 28; *quinquepunctatus* **n. n.** for *quinquemaculatus* Hine p. 33, HINE Occ. Pprs. Mus. Zool. Univ. Michigan no. **162.**—*T. rubidus* Wied. (= *albimedius* Wlk.) p. 93, head & mouth-parts of larva pp. 93–96, *tenens* mechanism of suction in larva pp. 97–102, male & female genitalia pp. 102–108, *striatus* F. (= *hilaris* Wlk.) p. 109, life-history pp. 108–109, figs., ISAAC Mem. Dept. Agric. India **8.**—*T.* key p. 93, *pleskei* Siberia p. 124, *syriacus* Syria p. 147, *caucasius* Caucasus p. 183, **spp. n.**, KRÖBER Arch. Natg. **90** A 9.—*T. aterrimus* see *Sziladynus.*

Therioplectes sibiricus, *bimaculatus* Siberia, *caucasicus* Caucasus p. 358, *subguttatus* no locality, *sachalinensis* Sakhalin p. 359, *guttipennis* Siberia **spp. n.**; *borealis* **var. n.** *bimaculata* Sakhalin p. 360; *silicicus* Asia Minor, *himalayanus* N. India p. 361, *shirakii* China, *punctulipennis* Brazil p. 362 **spp. n.**, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**—*T.* see *Tabanus* and *Sziladynus.*

Thriambeutes flaviventris **sp. n.** W. Africa p. 310, ENDERLEIN Mitt. Zool. Mus. Berlin **11.**

Triclida comorensis, bivittata Comoro Islands p. 329, *lurida* Madagascar p. 330, **spp. n.,** ENDERLEIN t.c.

Triclidommisa hildebrandti **sp. n.** Madagascar p. 330, ENDERLEIN t.c.

Triclista **gen. n.** type *limbinervis* Macq., ENDERLEIN op. cit. **10** 1922 p. 339 ; **11** p. 304.

Tylopelma **gen. n.** p. 350, ENDERLEIN op. cit. **10** 1922 ; type *T. patellicorne* E. Africa p. 399, *angustipalpis* Sudan p. 400, *fulleborni, confluens* E. Africa, *niveipalpis* W. Africa p. 401 **spp. n.,** op. cit. **11.**

Tylostypia **gen. n.** type *astur* Erichs. p. 347, ENDERLEIN op. cit. **10** 1922 ; *T. labradorensis* Labrador, *laticornis* Colorado (U.S.A.) **spp. n.** p. 363, op. cit. **11.**

Tylostypina nigrocincta **sp. n.** Turkestan p. 344, ENDERLEIN op. cit. **11.**

Veprius sexguttatus **sp. n.** N. Australia p. 315, ENDERLEIN op. cit. **11.**

LEPTIDAE (RHAGIONIDAE).

Revision of Palaearctic Rhagionidae, LINDNER Flieg. Pal. Reg. **20** pp. 33–49, figs.

Atherix pilitarsis **sp. n.** Gabun p. 22, LINDNER Konowia **4.**—*A. ibis* biological notes Jutland p. 41, USSING Flora og Fauna 1924.

Chrysopilus coeruleothorax **sp. n.** Fiji p. 22, LINDNER Konowia **4.**

Rhagio javanus **sp. n.** Java p. 21, LINDNER t.c.

Stratioleptinae **subfam. n.** p. 166, PLESKE Bull. Soc. ent. Fr. **1925.**

Stratioleptis czerskii **sp. n.** Siberia p. 166, PLESKE t.c.

Therevirhagio **gen. n.** *setosiradiatus* **sp. n.** N. S. Wales p. 20, LINDNER Konowia **4.**

THEREVIDAE.

Therevidae of Palaearctic region, KRÖBER in LINDNER Flieg. Pal. Region **26** pp. 17–60.

Phycus brunneus life-history & habits pp. 29–30 figs., ISAAC Mem. Dept. Agric. India **9,**

Psilocephala amplifrons **n. n.** for *latifrons* Cole nec Frey p. 94, *albertensis* **sp. n.** Alberta p. 86 fig., COLE Can. Ent. **57.**—*P. subnotata* Florida p. 299, *davisi* N. Carolina p. 300, **spp. n.,** JOHNSON Psyche **32.**

Thereva macdunnoughi **sp. n.** Alberta p. 87, *bimaculata* ♂ described p. 88 fig., COLE Can. Ent. **57.**

SCENOPINIDAE (OMPHRALIDAE).

Omphralidae of Palaearctic region keys, KRÖBER Flieg. Pal. Region **27** pp. 1–18, 1 pl. 18 figs.

Pseudomphrale key p. 96, *stevensoni* **sp. n.** Rhodesia p. 97 fig., BEZZI Encyc. ent. Ser. B II Dipt. **2.**

CYRTIDAE.

Acrocera honorati **sp. n.** Chile p. 207, BRÈTHES Rev. chil. Hist. nat. **29.**

Eulonchus marialiciae **sp. n.** N. Carolina p. 77, BRIMLEY Ent. News **36.**

NEMESTRINIDAE.

Revision of Australian Nemestrinidae, HARDY Proc. Linn. Soc. N. S. W. **49** 1924 pp. 447–460 13 figs.

Exeretoneura angustifrons **sp. n.** Australia p. 458 figs., HARDY t.c.

Hirmoneura oldenbergi E. Siberia p. 392, *andicola* Argentina p. 393, **spp. n.** fig., LICHTWARDT Ent. Mitt. **14.**

Nemestrina jullieni **sp. n.** Egypt p. 357 fig., EFFLATOUN Bull. Soc. R. ent. Egypte **1924.**

Nycterimyia papuana **sp. n.** New Guinea p. 18 figs., BEQUAERT Psyche **32.**—*N. bezzii* **sp. n.** Nyasaland p. 393 fig., LICHTWARDT Ent. Mitt. **14.**

Prosoeca rhodesiensis **sp. n.** S. Rhodesia p. 4, BEQUAERT Psyche **32.**

Stenobasipteron arnoldi p. 8, *difficile* p. 11 **spp. n.** S. Rhodesia, *gracile* redescribed p. 14, key to known spp. p. 17, figs., BEQUAERT t.c.

MYDAIDAE.

Revision of Australian Mydaidae, HARDY Proc. Linn. Soc. N. S. W. **50** pp. 139–144 2 figs.

APIOCERIDAE.

Apiocera philippii **n. n.** for *Anypenus brevicornis* Phil. nec Wied. p. 104, BRÈTHES Rev. chil. Hist. nat. **28** 1924,

ASILIDAE.

Key to Palaearctic and Formosan genera of Asilinae, BECKER Ent. Mitt. **14** pp. 62–69.

Revision of Palaearctic Asilidae, ENGEL Flieg. Pal. Reg. **24** pp. 1–8 figs.

Synonymy and notes on S. African Asilidae, RICARDO Ann. Mag. N. H. (9) **15** pp. 234–282.

Catalogue of Asilidae of Petrograd province, STACKELBERG Faunae Petropol. Catalogus **2** no. 13 21 pp.

Relation between feeding habits & mouth-parts in Asilidae, WHITFIELD P. Z. S. **1925** pp. 599–638, 2 pls. 15 figs.

Antipalus pedestris **sp. n.** Formosa p. 132, BECKER Ent. Mitt. **14.**

Anypodetus maculipennis p. 242, *nigrifacies* p. 244, **spp. n.** S. Africa, RICARDO Ann. Mag. N. H. (9) **15.**

Astochia trigemina **sp. n.** Formosa p. 244, BECKER Ent. Mitt. **14.**

Atomosia chilensis **n. n.** for *cyanescens* Big. nec Rond. p. 105, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Bisapoclea **gen. n.** (near *Apoclea*) *duplicata* **sp. n.** Formosa p. 76, BECKER Ent. Mitt. **14.**

Buckellia **gen. n.** for *Cophura albosetosa* Hine p. 156, CURRAN Can. Ent. **57.**

Cerdistus laetus **sp. n.** Formosa p. 246, BECKER Ent. Mitt. **14.**

Cinadus africanus p. 240, *occidentalis* p. 241, **spp. n.** S. Africa, RICARDO Ann. Mag. N. H. (9) **15.**

Cophura albosetosa see *Buckellia.*

Cyrtopogon africanus **sp. n.** S. Africa p. 275, RICARDO Ann. Mag. N. H. (9) **15.**

Damalis femoralis p. 247, *pollinosa* p. 249, **spp. n.** S. Africa, RICARDO t.c.

Daspletis vulpes ♀ described p. 262, *hirtus* **sp. n.** p. 263 S. Africa, RICARDO t.c.

Dysmachus genitalis p. 238, *stannusi* p. 239, **spp. n.** S. Africa, RICARDO t.c.; see *Neolophonotus.*

Emphysomera aequalis p. 80, *biseriata* p. 81, **spp. n.** Formosa, BECKER Ent. Mitt. **14.**

Epiklisis **gen. n.** p. 133, *pilitarsis* **sp. n.** Formosa p. 134 fig., BECKER t.c.

Erax ochriventris **sp. n.** Formosa p. 77, BECKER t.c.

Gonioscelis notes & key pp. 159–176, *lacertosus* Caffraria p. 166, *punctipennis* p. 170, *maculipennis* p. 169, *oculatus* p. 175 Cape Colony, **spp. n.** fig., ENGEL Mitt. Zool. Mus. Berlin **12.**—*G. calopus* ♂ described, *femoralis* p. 266, *pruinosus* p. 267, *rufescens* p. 268, *nigripennis* p. 269, *longulus* p. 270, *genitalis* p. 271, **spp. n.** S. Africa, RICARDO Ann. Mag. N. H. (9) **15.**

Habropogon rhodesii **sp. n.** S. Africa p. 274, RICARDO t.c.

Hoplopheromerus **gen. n.**, *hirtiventris* **sp. n.** Formosa p. 241, BECKER Ent. Mitt. **14.**

Hyperechia habits p. xiii figs., POULTON Trans. Ent. Soc. Lond. **1925.**

Lamyra versicolor **sp. n.** S. Africa p. 277, RICARDO Ann. Mag. N. H. (9) **15.**

Laphria nigrescens p. 279, *aurifer* p. 280, *carbonaria* p. 281, **spp. n.** S. Africa, RICARDO t.c.

Lasiopogon nanus Dalmatia p. 441, *lichtwardti* p. 443, *intermedius* p. 445 Hungary, **spp. n.**, OLDENBERG D. ent. Zs. **1924.**

Leptogaster calceata Caucasus p. 189, *pachypygialis* Algeria p. 190 **spp. n.**, *hispanica* **var. n.** *dalmatina* Dalmatia p. 191, ENGEL Konowia **4.**

Lochites see *Lochitomyia.*

Lochitomyia **n. n.** for *Lochites* Sch. nec Först., *Senobasis nigriventris* Big. transferred to, p. 105, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Machimus aurulentus **sp. n.** Formosa p. 249, BECKER Ent. Mitt. **14.**

Mallophora rex p. 192, *chrysomela* p. 193 **spp. n.** U.S.A.; table *bomboides* group p. 194, BROMLEY Psyche **32.**

Mecynopus **gen. n.** p. 192, *pulverulentus* **sp. n.** Turcomania p. 193 fig., ENGEL Konowia **4.**

Microstylum hermanni p. 249, *rufum* p. 254, *spinipes* p. 255, *unicolor* p. 256, *attenuatum* p. 257, *nigrimystaceum* p. 258, *hirtipes* p. 259, **spp. n.** S. Africa, RICARDO Ann. Mag. N. H. (9) **15.**

Neodysmachus **gen. n.** p. 263, *setithoracicus* **sp. n.** p. 264 S. Africa, RICARDO t.c.

Neoitamus pediformis p. 242, *fertilis* **spp. n.**; *strigipes* **n. n.** ♀ for *griseus* Wulp nec Wied. p. 243; *dolichurus* **sp. n.** p. 244, Formosa, BECKER Ent. Mitt. **14.**

Neolaparus angusticornis **sp. n.** S. Africa p. 245, RICARDO Ann. Mag. N. H. (9) **15.**

Neolophonotus **n. n.** for *Dysmachus* LW. p. 347, key to subgenera p. 348, ENGEL Bull. Soc. R. ent. Egypte **1924.**

Nusa africana **sp. n.** S. Africa p. 278, RICARDO Ann. Mag. N. H. (9) **15.**

Oligoschema **gen. n.** p. 135 *nuda* **sp. n.** Formosa p. 136, BECKER Ent. Mitt. **14.**

Ommatinus **gen. n.** key pp. 80–84, *unicolor* p. 124, *major* p. 125, *torulosus* p. 126, *compactus* p. 127, *pauper*, *medius* p. 128, *similis* p. 129, *flavipyga*, *nigripes* p. 130, *griseipennis* p. 131, **spp. n.** Formosa, BECKER t.c.

Oratostylum **gen. n.** p. 260, *lepidum* **sp. n.** Rhodesia p. 261, RICARDO Ann. Mag. N. H. (9) **15.**

Orophotus **gen. n.** *univittatus* p. 137, *fulvidus*, *chrysogaster* p. 240, **spp. n.** Formosa fig., BECKER Ent. Mitt. **14.**

Paractenota **gen. n.** (near *Ctenota*) p. 141, *efflatouni* **sp. n.** Egypt p. 142 fig., ENGEL Bull. Soc. R. ent. Egypte **1925.**

Perasis transvaalensis **sp. n.** S. Africa p. 245, RICARDO Ann. Mag. N. H. (9) **15.**

Philodicus ochraceus **sp. n.** Formosa p. 75, BECKER Ent. Mitt. **14.**—*P. nigripes* **sp. n.** S. Africa p. 237, RICARDO Ann. Mag. N. H. (9) **15.**

Promachus opacus **sp. n.** Formosa p. 70, BECKER Ent. Mitt. **14.**—*P. hirsutus* p. 234, *cinereus* p. 235, **spp. n.** S. Africa, RICARDO Ann. Mag. N. H. (9) **15.**

Scylaticus varipennis **sp. n.** S. Africa p. 272, RICARDO t.c.

Senobasis nigriventris see *Lochitomyia.*

Sisyrnodytes niveipilosus **sp. n.** S. Africa p. 247, RICARDO t.c.

Spanurus pallidus **sp. n.** S. Africa p. 276, RICARDO t.c.

Stenopogon festae **sp. n.** Cyrenaica p. 8, BEZZI Boll. Mus. Zool. Torino **39** 1924 N. S. no. 18.

Stichopogon unicolor **sp. n.** S. Africa p. 276, RICARDO Ann. Mag. N. H. (9) **15.**

Tolmerus impeditus p. 246, *asiaticus* p. 247, **spp. n.** Formosa, BECKER Ent. Mitt. **14.**

Trypanoïdes **gen. n.** (near *Promachus*) p. 71, *fulviventris* p. 72, *nigribarbatus* p. 73, *indigenus* p. 74, **spp. n.** Formosa, BECKER t.c.

BOMBYLIIDAE.

Notes on Bombyliids of Egypt, BEZZI Bull. Soc. R. ent. Egypte **1924** pp. 159–242.

Acanthogeron **gen. n.**, key p. 164, *perniveus* **sp. n.** Egypt p. 165, BEZZI t.c.

Alloxytropus anomalus **sp. n.** Egypt p. 187, BEZZI t.c.

Antonia key to Palaearctic spp. p. 147, PARAMONOV Zool. Anz. **64.**

Aphoebantus efflatouni p. 205, *dichromatopus* p. 207, *wadensis* p. 208, **spp. n.** Egypt, BEZZI Bull. Soc. R. ent. Egypte **1924.**

☞*Argyramoeba melanista* p. 221, *bisniphas* p. 223, **spp. n.** Egypt, BEZZI t.c.—*A. anthracina* see *Prothaplocnemis.*

Bombylius testaceiventris Turkestan, *armeniacus* Armenia, **spp. n.** p. 33, PARAMONOV Soc. ent. **40.**

Chiasmella sabulonis **var. n.** *rubicunda* Egypt p. 217, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Cononedys armeniaca **sp. n.** Armenia p. 92, key p. 93, PARAMONOV Zool. Anz. **64.**

Conophorus aegyptiacus **sp. n.** Egypt p. 172, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Crocidium aegyptiacum **sp. n.** Egypt p. 193, BEZZI t.c.

Dischistus trigonus **sp. n.** Egypt p. 169, BEZZI t.c.

Efflatounia **gen. n.** p. 170, *aegyptiaca* **sp. n.** Egypt p. 171, BEZZI t.c.

Empidideicus nubilus **sp. n.** Egypt p. 188, BEZZI t.c.

Exoprosopa efflatouni **sp. n.** Egypt p. 240, BEZZI t.c.—*E. turkestanica* Turkestan p. 43, *altaica* Siberia p. 46, **spp. n.**, PARAMONOW Konowia **4.**

Geron intonsus **sp. n.** p. 196, *gibbosus* **var. n.** *erythropus* p. 197, Egypt, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Glossista albolineata p. 176, *nitidapex* p. 177, *thyridophora* p. 178, **spp. n.** Egypt, BEZZI t.c.

Heterotropus bisglaucus p. 182, *maculiventris* p. 185, **spp. n.** Egypt, BEZZI t.c. —*H.*, key p. 114, *kazanovskyi* **sp. n.** Bokhara p. 110, PARAMANOV Konowia **4.**

Lepidophora review of spp. with key pp. 119–127 fig., PAINTER Trans. Amer. Ent. Soc. **51.**

Lomatia keys to palaearctic spp. pp. 83, 112, *taurica* (with **var. n.** *completa*) p. 79, *variegata* p. 80, **spp. n.** Crimea, PARAMONOV N. Beitr. syst. Insektenk. **3.**

Petrorossia letho **var. n.** *liliputiana*; *latifrons* **sp. n.** Egypt p. 214, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Phthiria bicolor p. 190, *unicolor* p. 191, *xanthaspis* p. 192, **spp. n.** Egypt, BEZZI t.c.

Pipunculopsis **gen. n.** p. 211, *bivittata* **sp. n.** Egypt p. 212, BEZZI t.c.

Platamodes see *Platamomyia.*

Platamomyia **n. n.** for *Platamodes* Lw. nec Ménét. p. 105, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Plesiocera flavifrons ♂ described p. 299, BEZZI Konowia **4.**

Prorachthes longirostris **sp. n.** Egypt p. 172, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Prothaplocnemis **gen. n.** for *Argyramoeba anthracina* Becker p. 220, BEZZI t.c.

Psiatholasius fascipennis **sp. n.** Egypt p. 181, BEZZI t.c.—*P. erivanensis* **sp. n.** p. 91 Armenia, PARAMONOV Zool. Anz. **64.**

Spongostylum antiopa **sp. n.** Egypt p. 221, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Stomylomyia europaea **varr. n.** *aegyptiaca* p. 201, *nigrirostris*; *pusilla* **sp. n.** p. 202, Egypt, BEZZI t.c.—*S. araxana* **sp. n.** Armenia p. 94, PARAMONOV Zool. Anz. **64.**

Thyridanthrax chionophorus p. 231, *tabaninus* p. 232, **spp. n.** Egypt, BEZZI Bull. Soc. R. ent. Egypte **1924.**

Usia lutescens **sp. n.** Egypt p. 180, BEZZI t.c.

Villa tashkentica Turkestan p. 144, *rohdendorfi* Transcaspia p. 145, **spp. n.**, PARAMONOV Zool. Anz. **64.**

EMPIDAE.

Empis lindneri p. 317, *subbrunnipennis* p. 319, *dalmatica* p. 320, **spp. n.** Dalmatia, OLDENBERG D. ent. Zs., Berlin **1925.**

Haplomera chiloensis **sp. n.** Chile p. 105, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Hilara hyperborea **sp. n.** Arctic Siberia p. 12, FREY Mém. Acad. imp. Sci. **29** no. 10 1915.

Hilarempis insularis, *moreirai* **spp. n.** Chile p. 106, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Ironomyia transferred to Platypezidae *q. v.*

Iteaphila curva **sp. n.** Labrador p. 24, CURRAN Can. Ent. **57.**

Parathalassius melanderi further description p. 56 fig., COLE J. Ent. & Zool. **17.**

Pterempis cyrenaica **sp. n.** Cyrenaica p. 12, BEZZI Boll. Mus. Zool. Torino **39** N.S. no. 18 1924.

Rhagas setosa **sp. n.** Cyrenaica p. 14, BEZZI t.c.

Rhamphomyia antennata p. 9, *brussnewi* p. 10 **spp. n.**, *brusewitzi* **var. n.** *anomalinervis* p. 11 Arctic Siberia, FREY Mém. Acad. imp. Sci. **29** no. 10 1915.—*R. porteri* **sp. n.** Chile p. 106, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Tachista fuscinervis **sp. n.** Arctic Siberia p. 15, FREY Mém. Acad. imp. Sci. **29** no. 10 1915.

Tachypeza sericeipalpis **var. n.** *dilutata* Arctic Siberia p. 14, FREY t.c.

DOLICHOPODIDAE.

Records of Dolichopodidae from the Belgian Congo, CURRAN Rev. zool. afr. **13** pp. 103–122 figs.

The Dolichopodids of Meigen's collection in the Paris Museum, PARENT Encyc. ent. Ser. B II Dipt. **2** pp. 41–58.

Aphrosylus key p. 184, *parcearmatus* **sp. n.** Egypt p. 180, PARENT Bull. Soc. R. ent. Egypte **1925**; also p. 116 Ann. Soc. Sci. Bruxelles Mém. **44.**

Argyra, keys to N. American spp. p. 2, *hirta* p. 7, *angustata* p. 10, *brevipes*, *barbipes* p. 11, *scutellaris* p. 12, *nigriventris* p. 14, *argentiventris* p. 15, *femoralis* p. 16, *bimaculata* p. 19, *velutina* p. 20, *splendida* p. 21, *thoracica* p. 23, *currani* p. 24, *nigricoxa*, *californica* p. 26, *sericata* p. 28, *albicoxa* p. 30, *setipes* p. 31, *flavipes* p. 34, *flavicornis* p. 35, *obscura* p. 36, (*Leucostola*) *johnsoni* p. 37, *involuta* p. 38, *flavicoxa* p. 39, *inaequalis* p. 40, *spina* p. 41, **spp. n.** N. America figs., VAN DUZEE Proc. U. S. Nat. Mus. **66** art. 23.

Asyndetus chaetifemoratus p. 162, *dubius* p. 166, **spp. n.** Egypt, PARENT Bull. Soc. R. ent. Egypte **1925.**—*A. spinosus* **sp. n.** California p. 153, VAN DUZEE Pan-Pacific Ent. **1.**

Campsicnemus rufinus **sp. n.** Philippines p. 22, FREY Not. ent. **5.**

Chrysosoma key to African spp. p. 104, *katangense* p. 107, *albocrinitatum* p. 109, *consentium* p. 111, *varivittatum* p. 112, **spp. n.** Belgian Congo figs., CURRAN Rev. zool. afr. **13.**

Condylostylus imitans **n. n.** for *imitator* Curran nec Beck. p. 114, CURRAN Rev. zool. afr. **13.**—*C. tumantumari* p. 1, *lunator* p. 3, **spp. n.** Br. Guiana figs., CURRAN Amer. Mus. Novit. no. **176.**—*C. brunnicosus* p. 18, *variipes* p. 19, **spp. n.** Philippines ; *beckeri* **n. n.** (= *vigilans* Beck. Capita Zool. I 1922, nec *vigilans* Beck. Abh. zool.-bot. Ges. Wien xiii 1921) p. 19, *theodori* **n. n.** for *beckeri* Frey 1925 p. 77, FREY Not. ent. **5.**

Diaphorus key to African spp. p. 118, *insufficiens* p. 120, *schoutedeni* p. 121, **spp. n.** Belgian Congo, CURRAN Rev. zool. afr. **13.**—*D.*, revision of Palaearctic p. 222, *bezzii* p. 244, *oldenbergi* p. 282, *unguiculatus* p. 287 Italy, *lichtwardti* p. 265, *luteipes* p. 268 China, *exunguiculatus* p. 250, *putatus* p. 284 Palaearctic **spp. n.**, PARENT Ann. Soc. sci. Brux. Mém. **44.**—*D. africus* **sp. n.** Morocco p. 3, PARENT Publ. Junta Ciên. nat. **4** no. 6 1924.

Dolichopus congoensis **sp. n.** Belgian Congo p. 114, CURRAN Rev. zool. afr. **13.**—*D. uliginosus* **sp. n.** Germany p. 165, BECKER in HARNISCH Zool. Jahrb. Abt. f. Syst. **51.**—*D. maculitarsis* **sp. n.** Manitoba p. 184, VAN DUZEE Psyche **32.**

Gymnopternus flavitarsis p. 187, *maculiventris* p. 188, *robustus* p. 189, **spp. n.** New York, VAN DUZEE Psyche **32.**

Hercostomus occidentalis further description p. 57 fig., COLE J. Ent. & Zool. **17.**—*H. humeralis*, (*H.* ?) *gymnopygus* **spp. n.** Philippines p. 26, FREY Not. ent. **5.**—*H. discriminatus* **sp. n.** Tangier p. 189, PARENT Bull. Soc. R. ent. Egypte **1925.**—*H. purpuratus* **sp. n.** Manitoba p. 185, VAN DUZEE Psyche **32.**

Hydrophorus rufinasutus **sp. n.** Egypt p. 169, PARENT Bull. Soc. R. ent. Egypte **1925.**—*H. fumipennis* ♂ & ♀ further described p. 155, VAN DUZEE Pan-Pacific Ent. **1.**—*H. criddlei* Manitoba p. 181, *fulvidorsum* Alberta p. 182, **spp. n.**, VAN DUZEE Psyche **32.**

Hygroceleuthus efflatouni **sp. n.** Egypt p. 176, PARENT Bull. Soc. R. ent. Egypte **1925.**

Lamprochromus notes on & key pp. 137–142, *strobli* **sp. n.** p. 141, PARENT Encyc. ent. Ser. B II Dipt. **1.**

Medetera key to Africa spp. p. 116, *maynei* **sp. n.** Belgian Congo p. 117, CURRAN Rev. zool. afr. **13.**—*M. munroi* **sp. n.** S. Africa p. 176 fig., CURRAN Ann. Transvaal Mus. **11.**—*M. vegrandis* **sp. n.** Philippines p. 24, FREY Not. ent. **5.**—*M. petrophiloides* **sp. n.** France p. 553, key p. 554, PARENT Ann. Soc. sci. Brux. C.R. **44.**—*M. media* **sp. n.** Tunisia p. 186, PARENT Bull. Soc. R. ent. Egypte **1925.**—*M.* food habits, biological notes, mouth-parts p. 134 figs., HUBAULT Ann. Sci. nat. (Zool.) (10) **8.**—*M. minimus* **sp. n.** California p. 180, VAN DUZEE Psyche **32.**

Mesorhaga stylata **var. n.** *halteralis* Philippines p. 19, FREY Not. ent. **5.**—*M. clavicauda* **sp. n.** Michigan p. 154, VAN DUZEE Pan-Pacific Ent. **1.**—*M. pallidicornis* **sp. n.** Ohio p. 178, VAN DUZEE Psyche **32.**

Neurogonia minima **sp. n.** New York p. 179, VAN DUZEE Psyche **32.**

Oligochaetus albescens p. 154, *albisetosus* p. 158, **spp. n.** Egypt, PARENT Bull. Soc. R. ent. Egypte **1925.**

Paraclius fuscinervis **sp. n.** Philippines p. 25, FREY Not. ent. **5.**

Pelastoneurus vegetus **sp. n.** Philippines p. 25, FREY t.c.

Psilopus trahens p. 16, *dolichocnemis, flagellaris* p. 17, **spp. n.** Philippines, FREY t.c.

Pycsymnus **gen. n.** for Indo-Australian spp. of *Sympycnus* type *mutatus* Beck. p. 20; *gloriosus* p. 21, *thrypticiformis* p. 22, **spp. n.** Philippines, FREY t.c.

Scellus virago Aldr. redescribed p. 176, *crinipes* Utah p. 177, *varipennis* California p. 180 **spp. n.** figs., VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Sciopus laetus Meig. (= *villeneuvei* Parent) p. 142, PARENT Encyc. ent. Ser. B II Dipt. **1.**—*S. vicinus* Egypt p. 172, *mitis* Tunisia p. 194, **spp. n.**, PARENT Bull. Soc. R. ent. Egypte **1925.**

Sympycnus kowarzi **n. n.** for *cirrhipes* Kow. nec Wlk. p. 547; *cirrhipes* Wlk. nec Kow. (= *pullatus* & *brachydactylus* Kow.); *annulipes* Meig. (= *pygmaeus* Macq.) p. 548; *desoutteri* **sp. n.** France p. 549, PARENT Ann. Soc. sci. Brux. C.R. **44.**—*S. mutatus, apicalis, laetus, formosinus, turbidus* see *Pycsymnus.*

Syntormon caffer, munroi **spp. n.** S. Africa p. 177 fig., CURRAN Ann. Transvaal Mus. **11.**—*S. codinai* **sp. n.** Morocco p. 9, PARENT Publ. Junta Ciên. nat. **4** no. 6 1924.

Tachytrechus guianica **sp. n.** Br. Guiana p. 4, CURRAN Amer. Mus. Novit. no. **176.**

Teuchophorus synonymy p. 550, PARENT Ann. Soc. sci. Brux. C.R. **44.**

Thrypticus revision of European p. 46, PARENT Ann. Soc. sci. Brux. Mém. **44** 1924.

PHORIDAE.

New additions to knowledge of the Phoridae with various keys, BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25** 1925 pp. 85–281 17 pls. 64 figs.

Supplement V (Phoridae) to Czwalina's "Neuem Verzeichnis der Fliegen Ost- und Westpreussens" of 1893, SPEISER Zs. wiss. Insektenbiol. **20** pp. 265–270.

10 *Acantistoptera hirsuta* **sp. n.** Argentina p. 255 fig., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Aphiochaeta key p. 139, *mucronata* p. 140, *luteizona* p. 142, *pteryacantha* p. 144, *luteicauda* p. 145, *penicillata* p. 146, *pilipleura* p. 147, *vesiculata* p. 148, *membranosa* p. 150, *parvitergata* p. 151, *rubriventris* p. 156, *spiniventris* p. 158, *commutata* p. 160, *armigera* p. 162, *assimilata* p. 163, *platypalpis* p. 164, *luteifasciata* p. 165, *emollita, turgida* p. 166, *stephanoidea* p. 169, *concava* p. 170, **spp. n.** Brazil figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**—*A. pulcherrima* p. 20, *fulviobscura* p. 23, *nemorensis* p. 27, *consimilis* p. 30, *intermedia* p. 34, *fratercula* p. 50, *comosa* p. 52, *armata* p. 55, *griseipennis* p. 57, *pernigra* p. 60, **spp. n.**; *pulicaria* **varr. n.** *valida* p. 43, *nigrifemorata, halterata* p. 44, *luteimana, fulvipalpis* p. 47; *sordida* **var. n.** *brunnipennis* p. 50; *pygmaea* **varr. n.** *canariensis* p. 64, *nigritula* p. 65, *flaviventris, inconstans* p. 66, Canary Is. figs., ABREU Mem. R. Ac. Ci. Barcelona **17** no. 1 1921.—*A. limburgensis* new to Britain p. 228, EDWARDS Ent. Mo. Mag. **61.**—*A. languescens* Hungary p. 83, *deltomera* p. 84, *brevissima* p. 85 Croatia, **spp. n.**, SCHMITZ Ann. Mus. Hung. **21** 1924.—*A. retroversa* Wood see *Woodiphora* p. 73; *nudipes* Beck. see *Plectanocnema* p. 75; *incontaminata* Germany p. 76, *tama* Hungary p. 77, *spodiaca* Tunisia, *pedatella* p. 78, *albiclava* p. 79, *luminifrons* p. 80, *phoenicura* p. 81, *melanosoma* p. 82, *scutellariformis* p. 83 Germany, *fuscinula* Vienna p. 84, **spp. n.** figs., SCHMITZ Encyc. ent. Ser. B II Dipt. **2.**—*A. meconicera* **n. n.** for *Phora albipennis* Wood nec Meig. p. 267, SPEISER Zs. wiss. Insektenbiol. **20.**

Apocephalus key to Brazilian spp. *piliventris* p. 186, *vicinus* p. 188, *trichocoxa* p. 189, *grandipalpis* p. 190, *peniculatus* p. 193, *lanceatus* p. 195, *camponoti* p. 196, *aculeatus* p. 198, *marginatus* p. 199, **spp. n.** Brazil figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Auxanommatidia key to Brazilian spp. p. 207, *pilifemur* p. 209, *myrmecophila* p. 210, *hardicki* p. 212, **spp. n.** Brazil figs., BORGMEIER t.c.

Beckerina key to Brazilian spp. p. 128, *irregularis* p. 130, *lucifrons* p. 131, *luteihalterata* p. 132, *nudipleura* p. 133, *nigricornis* p. 136, **spp. n.** Brazil figs., BORGMEIER t.c.

Coniceromyia anacleti p. 123, *fusca* p. 125, **spp. n.** Brazil figs., BORGMEIER t.c.

Cremersia key to Brazilian spp. p. 201, *pernambucana* p. 202, *spinosissima* p. 204, *costalis* p. 206, **spp. n.** Brazil figs., BORGMEIER t.c.

Cyphometopis **gen. n.** *carinifrons* **sp. n.** Parana p. 283 figs., BORGMEIER Bol. Mus. Nac. Rio de Janeiro **1** 1924.

Dohrniphora divaricata **varr. n.** *basalis, obscura* p. 11; *fulvi* **sp. n.** p. 12 Canary Is. figs., ABREU Mem. R. Ac. Ci. Barcelona **17** no. 1 1921.—*D.* key to Brazilian spp. p. 91, *adusta* p. 92, *monticola* p. 103, *obscuriventris* p. 105, *maculipes* p. 106, *opposita* p. 107, **spp. n.** Brazil figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Ecitocantha **gen. n.** *bruchi* **sp. n.** Argentina p. 287, BORGMEIER Bol. Mus. Nac. Rio de Janeiro **1** 1924.

Ecitomyia manni Costa Rica p. 304; *spinosa* Mexico p. 305, **spp. n.** fig., BRUES Psyche **32.**

Ecitophora costaricensis **sp. n.** Costa Rica p. 307, BRUES t.c.

Ecitoptera key p. 252, *cordobensis* **sp. n.** Argentina p. 253 fig., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Ecituncula tarsalis p. 263, *longipilosa* p. 265, **spp. n.** Argentina figs., BORGMEIER t.c.—*E. setosa* **sp. n.** Mexico p. 309 figs., BRUES Psyche **32.**

Heterophora **gen. n.** p. 81, *bentacaisei* **sp. n.** p. 82 Canary Is. figs., ABREU Mem. R. Ac. Ci. Barcelona **17** no. 1 1921.

Hypocera curvilineata **sp. n.** Brazil p. 113 figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**—*H. cephalotes* amended description p. 86, SCHMITZ Ann. Mus. Hung. **21** 1924.

Loxauchenia **gen. n.** p. 41, *longipes* **sp. n.** Borneo p. 42 figs., SCHMITZ & MJÖBERG Zool. Anz. **65.**

Neodohrniphora key to Brazilian spp., *declinata* p. 214, *acromyrmecis* p. 216, *montana* p. 217, *robusta* p. 219, **spp. n.** Brazil figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Parapuliciphora **gen. n.** p. 73, *palmensis* **sp. n.** Canary Is. p. 74 fig., ABREU Mem. R. Ac. Ci. Barcelona **17** no. 1 1921.

Phalacrotophora key to Brazilian spp. p. 172, *petropolitana* p. 179, *bispinosa* p. 180, **spp. n.** Brazil figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Phora albipennis see *Aphiochaeta meconicera.*

Plectanocnema **gen. n.** for *Aphiochaeta nudipes* Beck. p. 75 fig., SCHMITZ Encyc. ent. Ser. B II Dipt. **2.**

Procliniella **gen. n.** (near *Pseudoplastophora*), *hostilis* **sp. n.** Brazil p. 267 figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Pseudacteon key to S. American spp. p. 235, *tricuspis* p. 238, *cultellatus* p. 241, *nudicornis* p. 242, *comatus* p. 243, *pradei* p. 244, *curvatus* p. 246, *litoralis* p. 247, *obtusus* p. 249, **spp. n.** Brazil figs., BORGMEIER t.c.—*P. dorymyrmecis* **sp. n.** Brazil p. 45, BORGMEIER Soc. ent. **40.**—*P. brevicauda* **sp. n.** C. Europe p. 23, SCHMITZ Soc. ent. **40.**

Puliciphora myrmecophila **sp. n.** Mexico p. 310 fig., BRUES Psyche **32.**—*P. jacobsoni* p. 58, *togata* p. 61, **spp. n.** Sumatra fig., SCHMITZ Ent. Mitt. **14.**

Rhynchomicropteron aphidiforme **sp. n.** Borneo p. 45 fig., SCHMITZ & MJÖBERG Zool. Anz. **65.**

Syneura key to Brazilian spp. p. 227, *luciola* p. 229, *digitalis* p. 232, **spp. n.** Brazil figs., BORGMEIER Arch. Mus. Nac. Rio de Janeiro **25.**

Trineura velutina **var. n.** *fulviobscura* Canary Is. p. 81, ABREU Mem. R. Ac. Ci. Barcelona **17** no. 1 1921.

Woodiphora **gen. n.** for *Aphiochaeta retroversa* Wood p. 73, *prorsa* **sp. n.** Costa Rica p. 75 fig., SCHMITZ Encyc. ent. Ser. B II Dipt. **2.**

Zikania **gen. n.** (near *Neopuliciphora*), *degenerata* **sp. n.** Brazil p. 238 fig., BORGMEIER Ent. Mitt. **14.**

STETHOPATHIDAE.

Termitoxenia, termitophily p. 140, WASMANN Biol. Zentralbl. **45.**

PIPUNCULIDAE.

Pipunculus key p. 313, *novae-zelandiae* p. 314, *arthurianus, harrisi, deansi* p. 315, **spp. n.** New Zealand figs., TONNOIR Rec. Canterbury Mus. **2.**

PLATYPEZIDAE.

Revision of Australian Platypezidae, TONNOIR Rec. Austr. Mus. **14** pp. 306–312 figs.

Ironomyia White transferred from Empidae p. 310, *maculata* ♀ described p. 312 figs., TONNOIR t.c.

Platypeza fergusoni p. 307, *griseola*, *denticulata* p. 309, *acuminata* p. 310, **spp. n.** Australia figs., TONNOIR t.c.

SYRPHIDAE.

Some notes on Indian Syrphidae, BRUNETTI Rec. Ind. Mus. **27** pp. 75–78.

Notes on aphidophagous Syrphidae, S. California, CAMPBELL & DAVIDSON Bull. S. Cal. Acad. Sci. **23** 1924 p. 3 figs.

Syrphidae of the subfamily Ceriodinae (with key to genera p. 50) in the U. S. Nat. Mus., SHANNON Ins. Insc. Mens. **13** pp. 48–52.

Key to genera of Myioleptini, sens. str., SHANNON Proc. Ent. Soc. Wash. **27** p. 108.

Allograpta colombia p. 349, *similis* p. 350, **spp. n.** Colombia, key, *exotica* Wied. (= *fracta* O.-S.) p. 351, CURRAN Ann. Mag. N. H. (9) **16.**

Braziliana **gen. n.** for *Melanostoma longicornis* Williston p. 252, CURRAN t.c.

Ceria auctt. see *Polybiomyia.*—*C. abbreviata* see *Tenthredomyia.* — *C. scutellata* see *Polibiomyia macquarti.*

Cerioides, key to American spp. p. 61, *kerteszi* **sp. n.** Peru, *braueri* **var. n.** *philippi* Bolivia p. 63, SHANNON Ins. Insc. Mens. **13.**—*C. proxima* see *Tenthredomyia abbreviata.*

Chamaesyrphus nigricornis (with **var. n.** *defectus* p. 82) p. 79, *nigrifacies* (with **varr. n.** *immaculatus*, *intermedius* p. 85) p. 82, *autumnalis* p. 89, *dimidiatus* p. 91 **spp. n.**; *pruinosomaculatus* **varr. n.** *apicalis*, *vescillifer* p. 88 Canary Is. figs., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1 1924.

Chilosia swannanoa **sp. n.** N. Carolina p. 73, BRIMLEY Ent. News **36.**

Chrysogaster ithaca New York, *neotropica* Paraguay, **spp. n.** p. 107, SHANNON Proc. Ent. Soc. Wash. **27.**

Chrysotoxum kozhevnikovi **sp. n.** Turkestan p. 290 fig., SMIRNOV Ent. Mitt. **14.**

Conosyrphus **gen. n.** p. 17, *tolli* **sp. n.** Arctic Siberia p. 18, FREY Mém. Acad. Sci. Russ. **29** no. 10 1915.

Didea notes & key to N. American spp. pp. 277–280, *laxa* **var. n.** *syrphoides* New York & Michigan p. 278, *daphne* **sp. n.** Br. Columbia p. 280 figs., HULL Ann. Ent. Soc. Amer. **18.**

Epistrophe imitator **sp. n.** Colombia p. 351, CURRAN Ann. Mag. N. H. (9) **16.**

Eristalis tenax **var. n.** *claripes* p. 104; *taeniops* **varr. n.** *concinna* p. 109, *completa* p. 110 Canary Is. figs., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1 1924.—*E. compactus*, *cryptarum* notes on, *brousii* Will. distinct from *meigenii* Wied. p. 50, CURRAN Can. Ent. **57.**—*E.* review of N. American with keys pp. 11–45, 285–310, *mellissoides* **sp. n.** p. 19; *anthophorinus* **var. n.** *perplexus* p. 22 Canada; *texanus* Texas p. 28, *alhambra* California, *floreus* Br. Guiana p. 39, *cyatheus* Brazil p. 287, *spectabilis* Venezuela p. 289 **spp. n.**; *temporalis* **varr. n.** *beta*, *alpha* Alberta p. 299; *mirabilis* **sp. n.** Colombia p. 305 figs., HULL Ohio J. Sci. 25.

Eumerus latitarsis **varr. n.** *maculicornis*, *luteifrons* p. 130; *auratus* p. 133, *terminalis* p. 136, **spp. n.** Canary Is. figs., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1 1924.

Lepidopsis **gen. n.** *compactus* **sp. n.** Brazil p. 247, CURRAN Ann. Mag. N. H. (9) **16.**

Lepidostola jenningsi **sp. n.** Panama p. 108, SHANNON Proc. Ent. Soc. Wash. **27.**

Melanostoma incompletum **varr. n.** *halteratum*, *pseudomaculatum* p. 21, *pulchrigaster*, *discrepans* p. 22, *nigratum* p. 23, *atricorne*; *quadricinctum* p. 24, *eximium* p. 27, **spp. n.** Canary figs., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1 1924.—*M. longicornis* see *Braziliana.*

Mesogramma synonymy of some spp. p. 307, CURRAN Can. Ent. **57.**

Microdon flavomarginatum p. 245, *tenuicaudum* p. 339, *guianica* p. 340, *langi* p. 341, *flavipennis* p. 342, *normalis* p. 343, *trivittatum* p. 344, *abnormis* p. 345, *flavofascium* p. 346, **spp. n.** S. America, CURRAN Ann. Mag. N. H. (9) **16.**—*M. inarmatus* **sp. n.** Br. Guiana p. 5, CURRAN Amer. Mus. Novit. no. **176.**—*M. megacephalus* **sp. n.** Panama p. 213, SHANNON J. Wash. Acad. Sci. **15.**

Mixogaster delongi **sp. n.** Florida p. 301, JOHNSON Psyche **32.**—*M. rarior* p. 111 (with **var. n.** *rarissimus* Guatemala), *micromidas* p. 112 Panama, SHANNON Proc. Ent. Soc. Wash. **27.**

Monoceromyia bakeri Philippines p. 55, *wui* China p. 56, **spp. n.**, SHANNON Ins. Insc. Mens. **13.**

Myiatropa florea **varr. n.** *varifemorata, nigrofemorata, pygmaea* Canary Is. p. 115 figs., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1 1924.—*M. semenovi* **sp. n.** Turkestan p. 295, SMIRNOV Ent. Mitt. **14.**

Neoascia revision, key p. 51, *subchalybea* Quebec, *minuta* Colorado p. 53, *distincta* p. 54, *unifasciata* p. 55, *conica* p. 56, *sphaerophoria* p. 57, *macrofemoralis* p. 58, Canada **spp. n.**, CURRAN Proc. Ent. Soc. Wash. **27.**

Paragus borbonicus early stages p. 145, VAYSSIÈRE & MIMEUR Agron. colon. no. 88.

Phalacromyia claripennis p. 247, *deceptor* p. 248, *johnsoni* p. 249, *vierecki, varichaeta* p. 250, *abrupta* p. 251, **spp. n.** S. America, CURRAN Ann. Mag. N. H. (9) **16.**

Platynochaetus, monograph pp. 215–227, *armipes* p. 221, *festae* p. 224, **spp. n.** Cyrenaica fig., BEZZI Mem. Soc. ent. ital. **3.**

Polybiomyia **gen. n.** (= *Sphiximorpha* Shannon, in part, and *Ceria* auctt.) p. 56, type *schwarzi* Panama p. 57, *bellardi* Texas p. 59, *engelhardti* p. 60, *sayi* p. 61 Arizona **spp. n.**, *macquarti* **n. n.** for *Ceria scutellata* Will., p. 59, SHANNON Ins. Insc. Mens. **13.**

Psilota victoria **n. n.** for *cyanea* Hill nec Brunetti p. 7, CURRAN Amer. Mus. Novit. no. **176.**

Quichuana key, *inca* Peru p. 110, *calathea* Panama p. 111, **spp. n.**, SHANNON Proc. Ent. Soc. Wash. **27.**

Rhingia harrisi **sp. n.** Brazil p. 253, CURRAN Ann. Mag. N. H. (9) **16.**

Sphaerophoria menthastri **var. n.** *violacea* p. 71 Canary Is. fig., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1 1924.

Sphecomyia key, *dyari* **sp. n.** California p. 43, SHANNON Pan-Pacific Ent. **2.**

Sphiximorpha Shannon (part) see *Polybiomyia.*

Syritta pipiens **var. n.** *albicincta* Canary Is. p. 125 fig., ABREU Mem. R. Ac. Ci. Barcelona **19** no. 1924.

Syrphus balteatus **varr. n.** *proximus* p. 40, *signatus* p. 41; *thoracicus* p. 42, *discolor* p. 56, **spp. n.**; *auricollis* **var. n.** *intermedius* p. 53 Canary Is. figs., ABREU t.c.—†*S. eocenicus* **sp. n.** Eocene, Colorado p. 7 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.—*S. albomaculatus* **sp. n.** Galapagos Is. p. 84, F. SMITH Proc. Zool. Soc. **1877.**

Temnocera gibbera see *Viereckomyia.*

Tenthredomyia **gen. n.** for *Ceria abbreviata* Loew, key to American spp. p. 50, *grahami* China p. 53, *saundersi* N. S. Wales p. 54, **spp. n.**, SHANNON Ins. Insc. Mens. **13.**

Viereckomyia **gen. n.** for *Temnocera gibbera* Schiner p. 246, CURRAN Ann. Mag. N. H. (9) **16.**

Volucella barei **sp. n.** Texas p. 255, CURRAN Can. Ent. **57.**—*V. unicolor* p. 347, *squamigera, bradleyi* p. 348, **spp. n.** S. America, CURRAN Ann. Mag. N. H. (9) **16.**—*V. bombylans* N. American varieties with key pp. 114–117, JOHNSON Psyche **32.**

Xylota lovetti **n. n.** for *bivittata* Lovett, *oregona* Oregon, *subtropicus* Tennessee p. 44, *plesia* N. Brunswick p. 45, **spp. n.**, CURRAN Can. Ent. **57.**

Zelima key p. 279, *amurensis* **sp. n.** E. Siberia p. 285, STACKELBERG D. ent. Zs. **1925.**

Zonemyia **gen. n.** *spinosa* **sp. n.** Panama p. 109, SHANNON Proc. Ent. Soc. Wash. **27.**

CONOPIDAE.

Some notes on Indian Conopidae, BRUNETTI Rec. Ind. Mus. **27** pp. 78–79.

Conopidae of the Palaearctic Region, KRÖBER in LINDNER Flieg. Pal. Reg. **35** pp. 33–48.

The Conopidae of Hungary, synopsis, SZILADY Matm. Termt. Ért. Budapest **41** pp. 215–228.

Conops key to African spp. p. 97, *conspicuus* p. 100, *nigritarsis* p. 101, *aurantius* p. 103, *castaneus* p. 104, *obscurus* p. 106, *concolor* p. 107, *unifascipennis* p. 108, *rhodesiensis* p. 111, **spp. n.** Africa, BRUNETTI Ann. Mag. N. H. (9) **15.**

Occemyia africana **sp. n.** S. Rhodesia p. 112, BRUNETTI op. cit. **16.**

Physocephala key p. 101, *tuberculata* p. 102, *fascipennis* p. 104, *decisa* p. 105, *halterata* p. 106, *nigricoxa*, *microvena* p. 108, *pubescens* p. 109, **spp. n.** Africa, BRUNETTI t.c.

Stylogaster nitens **sp. n.** Ashanti p. 111, BRUNETTI t.c.

OESTRIDAE.

Oestridae dubiosae and their differences from Calliphorinae, SÉGUY C.R. Acad. Sci. **181** p. 735.

Relation of Oestrids to Tachinids, VILLENEUVE Encyc. ent. Ser. B II Dipt. **2** pp. 1–4.

Chaulioestrus **gen. n.** p. 48, *capensis* **sp. n.** Cape Colony p. 50, VILLENEUVE Konowia **4**.

Cuterebra fontinella egg & ovipositor pp.88–91 figs., HADWEN Proc. Ent. Soc. Br. Columbia **5** 1915.

Dermatobia hominis first stage larva pp. 247–257 figs., NEWSTEAD & POTTS Ann. Trop. Med. & Parasit. **19**; egg-laying habits Trop. America p. 137, SHANNON J. Wash. Acad. Sci. **15** 1925.

Gastrophilus equi morphology & biology of larvae pp. 68–72 figs., SURCOUF & GUYON Bull. Soc. ent. Fr. **1925**.—*G. intestinalis* De Geer (= *lativentris* Loew) p. 190, PATTON Phil. J. Sci. **27**.

Hypoderma bovis larva described & figured pp. 173–175 figs., ANDRÉ Parasitology **17**.

Muscidae Calyptratae.

Types of American Muscoid Diptera in the collection of the Vienna Museum, synonymy and further descriptions, ALDRICH Ann. Ent. Soc. Amer. **18** pp. 107–130, 456–469 1 fig.

A tentative arrangement of the Muscoid flies based on the puparia, GREENE Proc. Ent. Soc. Wash. **27** pp. 157–162 fig.

The "sun-ray" structure in the posterior larval spiracles of some Muscoid flies, HUFF Ent. News **36** pp. 239–243 figs.

Key to the families of the Calyptrata, MALLOCH Ann. Mag. N. H. (9) **16** p. 94.

Types of Muscids of older authors in Continental museums, PATTON Phil. J. Sci. **27** pp. 177–200.

Some Muscidae with parasitic larvae (key to genera p. 733), SÉGUY Bull. Soc. Path. exot. **18** pp. 732–735.

TACHINIDAE.

Key to genera of the Chrysomyiini of the World, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18 p. 16.

Revision of Australian Rutiliinae, ENGEL Zool. Jahrb. Abt. Syst. **50** pp. 339–376 18 figs.

Puparia and larvae of Sarcophagid flies, GREENE Proc. U. S. Nat. Mus. **66** art. 29 pp. 1–26 fig.

Biological notes on blow-flies, HARDY Austr. Mus. Mag. Sydney **2** p. 207.

Tachinid parasites of *Orgyia antiqua*, MILES Trans. Lincoln. Nat. Union **1924** 4 pp. figs.

The more important blow-flies, Calliphorinae, with synonymy, PATTON Phil. J. Sci. **27** pp. 397–411.

Differences between Calliphorinae and Oestridae dubiosae, SÉGUY C.R. Acad. Sci. Paris **181** p. 735.

A revision of the subfamily Rhiniinae in the Oriental region with various keys, SENIOR-WHITE Rec. Ind. Mus. **27** pp. 81–96 figs.

Relation of Oestrids to Tachinids, VILLENEUVE Encyc. ent. Ser. B II Dipt. **2** pp. 1–4.

Notes on the Tachino-Oestridae, VILLENEUVE Konowia **4** pp. 24–26.

Variations in the length of antennae of Tachinidae, VILLENEUVE Encyc. ent. Ser. B II Dipt. **2** pp. 4–5.

Archytas willistoni **sp. n.** Brazil p. 9, CURRAN Amer. Mus. Novit. no. **176**.

Argyrophylax inconspicua habits p. 126, CLEU Bull. Soc. ent. Fr. **1925**.

Atacta key p. 28, *crassiceps* U.S.A. p. 30, *argentifrons* Brazil p. 31, **spp. n.**, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Ateloglossa calyptrata, *glabra* **spp. n.** N. America p. 128, WEST J. New York Ent. Soc. **33**.

Aulacocephala karnyi **sp. n.** Sumatra p. 146 fig., MALLOCH Treubia **6**.

Bigonochoeta setipennis bionomics p. 16, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.

Blaesoxipha krameri **sp. n.** Serbia p. 8 figs., BARANOV Landw. Versuchsstation Topčider Br. **1.**

Calliphora abnormal proboscis p. 49 fig., MACGILL Entomologist **58.**—*C. flavicauda* **sp. n.** Rhodesia p. 97, MALLOCH Ann. Mag. N. H. (9) **16.**—*C. hilli* **sp. n.** Australia p. 400, key to Australian spp. p. 401, PATTON Phil. J. Sci. **27.**—*C.* synonymy of some of Macquart's spp. p. 86, *erythrocephala* (= *Pollenia caerulescens* Macq.) p. 85, SÉGUY Encyc. ent. Ser. B II Dipt. **2.**

Camptops **gen. n.**, *unicolor* **sp. n.** Louisiana p. 34 fig., ALDRICH, Sarcophaga and allies 1916.

Camptopyga **gen. n.** p. 41, *aristata* **sp. n.** Texas p. 42 fig., ALDRICH t.c.

Chaetapodacra **subgen. n.** see *Pediasiomyia.*

Chaetona addenda, ordinaria **spp. n.** N. America p. 129, WEST J. New York Ent. Soc. **33.**

Chaetoprosopa key, *auriceps* **sp. n.** Mexico p. 464, ALDRICH Ann. Ent. Soc. Amer. **18.**

Chrysomyia atrifrons **sp. n.** Kenya p. 98, MALLOCH Ann. Mag. N. H. (9) **16.**—*C. megacephala* distribution p. 14, ILLINGWORTH Bull. Bernice P. Bishop Mus., Honolulu **21** 1925.—*C. fulvipes, annulipes* **spp. n.** Queensland p. 410, PATTON Phil. J. Sci. **27.**—*C.* synonymy of some of Macquart's spp. p. 94, SÉGUY Encyc. ent. Ser. B. II Dipt. **2.**—*C. cordieri* Java, *nigriceps* p. 303, *roubaudi* p. 304 Fr. Congo, **spp. n.**, SÉGUY Bull. Soc. ent. Fr. **1925.**

Dexia ventralis **sp. n.** Korea p. 33, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Didyma setifacies **sp. n.** New York p. 124, WEST J. New York Ent. Soc. **33.**

Emblemasoma **gen. n.**, type *erro* p. 56, *faciale* p. 58, **spp. n.** U.S.A. figs., ALDRICH Sarcophaga and allies 1916.

Erycia basifulva **sp. n.** F.M.S. p. 119, BEZZI Bull. Ent. Res. **16.**

Eulasiona catskillensis, neglecta **spp. n.** New York p. 125, WEST J. New York Ent. Soc. **33.**

Euthera key p. 276, *barbiellinii* Brazil p. 277, *tuckeri* Transvaal p. 279, *péringueyi* Congo p. 280, (*Macreuthera* **subgen. n.**) *skusei* Australia p. 281, **spp. n.** figs., BEZZI Proc. Linn. Soc. N.S.W. **50.**

Eutheresia satisfacta p. 129, *sibleyi* p. 130, **spp. n.** New York, WEST J. New York Ent. Soc. **33.**

Eutrixopsis javana full description p. 35, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Exorista corvinoides **var. n.** *rufella* Java p. 119, BEZZI Bull. Ent. Res. **16.**

Fabriciella lutzi **sp. n.** Colorado p. 256, CURRAN Can. Ent. **57.**

Frontina malacosomae **sp. n.** Nova Scotia p. 155, CURRAN t.c.

Gibsonomyia **gen. n.** (near *Nyctia*) p. 281, *nigricosta* **sp. n.** Alberta p. 282, CURRAN t.c.

Gonia capitata stages described p. 18, life-history pp. 22–29, figs., STRICKLAND Canada. Dept. Agric. Bull. **26** N. S. (Ent. Bull. 22) 1923.

Gymnomma diaphanoides **sp. n.** Brazil p. 10, CURRAN Amer. Mus. Novit. no. **176.**

Gymnosoma dubia **sp. n.** New York p. 121, WEST J. New York Ent. Soc. **33.**

Halidaya key p. 121, *luteicornis* adult and puparium described p. 122, BEZZI Bull. Ent. Res. **16.**

Harbeckia **gen. n.** p. 46, *tessellata* **sp. n.** Pennsylvania p. 47 fig., ALDRICH Sarcophaga and allies 1916.

Harpagopyga **gen. n.** for *Sarcophaga diversipes* Coq. p. 61 fig., ALDRICH t.c.

Hemichrysomyia **gen. n.** *pachymera* **sp. n.** Madagascar p. 304, SÉGUY Bull. Soc. ent. Fr. **1925.**

Hyperecteina aestivalis, bishopi, consternata p. 126, *duospinosa, extricata* p. 127, **spp. n.** N. America, WEST J. New York Ent. Soc. **33.**

Hypopelta **gen. n.** p. 49, *scrofa* **sp. n.** Indiana p. 50 fig., ALDRICH Sarcophaga and allies 1916.

Hypostena (*Arrhinomyia*) *ouelleti* Quebec p. 150, *vexans* Nova Scotia p. 151, (*A.*) *tothilli* N.B. p. 152, *columbia* p. 153, *imitator* Br. Columbia, *alberta* Alberta, *impatiens* Manitoba p. 154, **spp. n.**, CURRAN Can. Ent. **57.**

Johnsonia setosa **sp. n.** Peru p. 33 fig., ALDRICH Sarcophaga and allies 1916.

Linnaemyia key p. 13, *varia* Labrador p. 14, *nigrescens* Br. Columbia p. 15, **spp. n.**, CURRAN Ent. News **36**.

Lixophaga key p. 133, *plumbea* p. 134, *mediocris* p. 136, **spp. n.** Virginia, ALDRICH Proc. Ent. Soc. Wash. **27**.

Lucilia bufonivora infesting Batrachia pp. 309–310, LESTAGE Bull. & Ann. Soc. ent. Belg. **65**.—*L. fergusoni* **sp. n.** Sydney p. 403, key to certain spp. p. 405, PATTON Phil. J. Sci. **27**.—*L.* synonymy of some of Macquart's & Rob.-Desvoidy's spp. pp. 93–94, SÉGUY Encyc. ent. Ser. B II Dipt. **2**.—*L. argyricephala* Macq. (= *pallescens* Shannon) p. 196, SHANNON Proc. Ent. Soc. Wash. **27**.

Lydella key, *minor, lathami, laterale* p. 284, *obscura* p. 285, *connecta* p. 286, **spp. n.** N. America, *albifacies* Towns. further description p. 285, CURRAN Can. Ent. **57**.

Macreuthera **subgen. n.** see *Euthera*.

Malacophagula **gen. n.** p. 206, *neotropica* **sp. n.** Brazil p. 208 figs., BEQUAERT J. Parasit. **11**.

Mallonotum **gen. n.** for *Tachina brevicornis* Wied. p. 466, ALDRICH Ann. Ent. Soc. Amer. **18**.

Masicera arator **sp. n.** Pennsylvania p. 32, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.—*M. sylvatica* habits p. 126, CLEU Bull. Soc. ent. Fr. **1925**.

Masiphya confusa **sp. n.** Florida p. 109 (with **var. n.** *townsendi* Arizona p. 110) figs., ALDRICH Ann. Ent. Soc. Amer. **18**.

Mesembrinella key p. 11, *spicata, uniseta* p. 13, *semiflava* p. 14, *flavicrura* p. 16, **spp. n.** Costa Rica, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Microcalliphora flavifrons **sp. n.** N. Queensland p. 20, ALDRICH t.c.

Microphthalma phyllophagae **sp. n.** Quebec p. 16, CURRAN Ent. News **36**.

Myiocera amicabilis, compacta **spp. n.** New York p. 130, WEST J. New York Ent. Soc. **33**.

Myiomima trivittata **sp. n.** Brazil p. 7, CURRAN Amer. Mus. Novit. no. **176**.

Notochaeta **gen. n.** p. 52, type *subpolita* **sp. n.** Guatemala p. 53 fig., ALDRICH Sarcophaga and allies 1916.—*N.* key p. 21, *comata* Costa Rica, *townsendi* Peru p. 22, *angusta* Panama p. 23, **spp. n.**, ALDRICH Proc. U. S. Nat. Mus. **66** art. **18**.

Obscuria **gen. n.** p. 95, *spinicosta* **sp. n.** Kenya p. 96, MALLOCH Ann. Mag. N. H. (9) **16**.

Ocyptera porteri **sp. n.** Chile p. 208, BRÈTHES Rev. chil. Hist. nat. **29**.

Onesia synonymy of some spp. pp. 85–86, SÉGUY Encyc. ent. Ser. B II Dipt. **2**.

Pachyophthalmus signatus reproduction p. 57, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.

Paraparthomyia **gen. n.** p. 82, *mujunkumensis* **sp. n.** Turkestan p. 85 fig., ROHDENDORF Zool. Anz. **62**.

Parapodacra **subgen. n.** see *Pediasiomyia*.

Parthomyia **gen. n.** p. 82, type *iranica, beludzhistanica* **spp. n.** Persia p. 84 fig., ROHDENDORF t.c.

Pediasiomyia **gen. n.** p. 61, (*P.*) *chrysochlamys, margiana* Transcaspia, *maxima, major* Mongolia, (*Chaetapodacra* **subgen. n.**) p. 62, (*C.*) *jaxarthiana, griseotomentosa* Turkestan p. 63, (*Xerophilomyia* **subgen. n.**) p. 64, *ctenoscelis* Transcaspia, *stenometopa, dichaeta* Mongolia p. 65, *brahicera* Transcaspia, *leucocera* Turkestan, *pachymetopa* Transcaspia p. 66, (*Parapodacra* **subgen. n.**), *heptopotamica* Turkestan p. 68, *xanthocera, melanarista, argyrocephala* p. 69, *chrysocephala, fallax* Mongolia (*Xeromyia* **subgen. n.**) p. 70, *xanthopoda* Persia, *nana* Transcaspia, *transaxiana* Turkestan p. 71, *pseudoxygona* Persia, *orthogona, oxygona* Transcaspia p. 72, **spp. n.** figs., ROHDENDORF Encyc. ent. Ser. B II Dipt. **2**.

Pedimyia **gen. n.** p. 81 type *fedtshenkoi* p. 82, *similis* Turkestan, *kozlovi* p. 83 W. Mongolia, **spp. n.** fig., ROHDENDORF Zool. Anz. **62**.

Peleteria key to American spp. p. 226, *cornigera, cornuta* p. 232, *phairi* p. 233, *alberta, cornuticaudata* p. 234, *regalis, conjuncta* p. 235, *angulata* p. 236, *fuscisquama* p. 237, *eronis* p. 238, *clara* p. 239, *aldrichi* p. 240, *blanda, posticata* p. 241, *trifasciata* p. 242, *neglecta* p. 243, *apicata* p. 244, *texensis* p. 246 N. America, *inca* Peru, *campestre* p. 247, *bryanti* p. 250, *obsoleta, convexa* p. 251,

townsendi, *setosa* p. 252, *confusa* p. 253, *valida*, *biangulata* p. 255, *mexicana* p. 256 N. America, **spp. n.** figs., CURRAN Trans. R. Soc. Canada **19** Sec. 5.

Phasia brevineura p. 122, *cara* New York, *furva* Nova Scotia p. 123, **spp. n.**, WEST J. New York Ent. Soc. **33.**

Phasiodexia **gen. n.** p. 250 *flavida* **sp. n.** Sumatra p. 251, TOWNSEND Ent. Mitt. **14.**

Pollenia key to Oriental spp. p. 83, *pilisquama* **sp. n.** Ceylon p. 84, SENIOR-WHITE Rec. Ind. Mus. **27.**—*P. caerulescens* see *Calliphora erythrocephala.*

Prosopaea insularis see *Prospalaea.*

Prospalaea **gen. n.** for *Prosopaea insularis* Brauer & Berg. p. 111, ALDRICH Ann. Ent. Soc. Amer. **18.**

Protocalliphora biology N. America p. 274, DOBROSKY Biol. Bull., Wood's Hole **48.**

Proxystomima **gen. n.**, *claripennis* **sp. n.** Belgian Congo, Nigeria p. 51, VILLENEUVE Konowia **4.**

Pseudocyptera erythropa **sp. n.** Malay States p. 122, BEZZI Bull. Ent. Res. **16.**

Pseudoservillia Tns. an invalid genus p. 528, ALDRICH Ann. Mag. N. H. (9) **16.**

Ptilodexia hucketti, *incerta* p. 131, *leucoptera*, *minor* p. 132, *obscura*, *proxima* p. 133, **spp. n.** N. America, WEST J. New York Ent. Soc. **33.**

Ptilomyia **gen. n.**, *plumata* p. 8, *micropalpus* p. 9, **spp. n.** Brazil, CURRAN Amer. Mus. Novit. no. **176.**—*P. bequaerti* **sp. n.** p. 352 Amazon, key p. 353, CURRAN Ann. Mag. N. H. (9) **16.**

Ptychomyia remota **sp. n.** Malay States p. 13, ALDRICH Proc. Ent. Soc. Wash. **27.**

Rhamphina leonardi **sp. n.** New York p. 134, WEST J. New York Ent. Soc. **33.**

Rhynchodexia elevata, *translucipennis* **spp. n.** N. America p. 135, WEST t.c.

Roubaudiella **gen. n.** *caerulea* **sp. n.** French Congo p. 735, SÉGUY Bull. Soc. Path. exot. **18.**

Rutilia key to 14 spp. Australia p. 361 figs., ENGEL Zool. Jahrb. Abt. Syst. **50.**

Sarcophaga cockerellae p. 70, *hinei* p. 71, *pulla* p. 72, *tarsata* p. 75, *cessator* p. 84, *tetra* p. 89, *idonea* p. 90, *sima* p. 91, *fletcheri* p. 96, *atlantis* p. 100, *spatulata* p. 105, *melampyga* p. 107 (with **var. n.** *alata*), *magna* p. 117, *parallela* p. 123, *rudis* p. 125, *excisa* p. 127, *elodis* p. 128, *masculina* p. 130, *alcedo* p. 132, *prohibita* p. 133, *reversa* p. 135, *marginata* p. 136, *falciformis* p. 137, *setigera* p. 138, *coloradensis* p. 139, *websteri* p. 141, *angustifrons* p. 142, *aculeata* p. 143 (with **varr. n.** *gavia*, *taediosa*), *flavipes* p. 146, *larga* p. 147, *ampulla* p. 151, *johnsoni* p. 162, *houghi* p. 170, *cabensis* p. 179, *singularis* p. 184, *deceptiva* p. 186, *thatuna* p. 196, *elongata*, *occidentalis* p. 198, *juliaetta* p. 200, *perspicax* p. 201, *gracilis* p. 202, *hillifera* p. 210, *subdiscalis* p. 219, *impar* p. 220, *sulculata* p. 223, *libera* p. 235, *salva* p. 237, *rileyi* p. 239, *jonesi* p. 241, *celerata* p. 242, *servilis* p. 243, *floridensis*, *planifrons* p. 249, *pectinata* p. 251, *flavipalpis* p. 256, *bishoppi* p. 258, *incurva* p. 260, *insurgens* p. 262, *robusta* p. 268, *hamata* p. 272, *cistudinis* p. 278, *galeata* p. 280, *cingarus* p. 288, *texana* p. 294, **spp. n.**; *tuberosa* **var. n.** *sarracenioides* p. 227; *communis* **var. n.** *ochracea* p. 255 N. America; *hospes* p. 156, *cotyledonea* p. 187, *wiedemanni* p. 193 S. America, *albisignum* p. 111, *xanthosoma* p. 274, *australis* p. 282, *timida* p. 283, *fissa* p. 290 C. America, *parkeri* p. 78, *taurus* p. 82, *pervillosa* (with **var. n.** *inchoata*) p. 93, *biseriata* p. 153, *pedata* p. 180, *amoena* p. 207, *capitata* p. 209, *spectabilis* p. 212, *peltata* p. 216, *bakeri* p. 270, *culminata* p. 289, *fimbriata* p. 292, *globulus* p. 299, West Indies **spp. n.** figs., ALDRICH Sarcophaga and allies 1916.—*S. placida* Texas p. 24, *morosa* Ottawa p. 26, *subaenescens* N. Jersey p. 27, **spp. n.** fig., ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.—*S. pseudaratrix* **sp. n.** Serbia p. 9 figs., BARANOV Landw. Versuchsstation Topčider Br. **1.**—*S. haemorrhoidalis* reproduction p. 56, CHEVALIER Bull. Soc. Sci. Seine-et-Oise (2) **5** 1924.—*S. braunsi* p. 319, *nodosa* p. 324 Cape Colony, *flavibarbis* Transvaal p. 327 **spp. n.**; *regularis* ♂ described p. 331; *angelicae* p. 333, *erecta* p. 335, *maritima* p. 338, *boöersiana* p. 341, **spp. n.** Cape Colony figs., ENGEL Bull. Soc. R. ent. Egypte **1924.**—*S. plotnikovi* Turkestan p. 53, *rossica* Moscow p. 54, *bajkalensis* Siberia p. 56, *smirnovi* Russia p. 57, *zhelochovtzevi* Caucasus p. 58, **spp. n.** figs., ROHDENDORF Rev. russe Ent. **19.** —*S. semenovi* **sp. n.** Central Asia p. 121 fig., ROHDENDORF Ent. Mitt. **14.**—*S. talonata* **sp. n.** Ceylon p. 211, *bainbriggei*

n. n. for *fletcheri* S.-W. p. 212 fig., SENIOR-WHITE Spolia Zeylanica **13.**—*S. diversipes* see *Harpagopyga.*

Sarothromyia femoralis **var. n.** *simplex* Florida p. 39 fig., ALDRICH Sarcophaga and allies 1916.

Sthenopyga **gen. n.** *globosa* **sp. n.** Louisiana p. 59 fig., ALDRICH t.c.

Sturmia parachrysops **sp. n.** Malay States p. 114, BEZZI Bull. Ent. Res. **16.**

Tachina brevicornis see *Mallonotum.*

Thelaira bryanti **sp. n.** Colorado p. 281, CURRAN Can. Ent. **57.**

Thelodiscus **gen. n.** p. 63, *indivisus* **sp. n.** p. 64 Massachusetts fig., ALDRICH Sarcophaga and allies 1916.

Wagneria vernata **sp. n.** New York p. 127, WEST J. New York Ent. Soc. **33.**

Winthemia semiberbis **sp. n.** Malay States p. 115, BEZZI Bull. Ent. Res. **16.**

Xeromyia **subgen. n.** see *Pediasiomyia.*

Xerophilomyia **subgen. n.** see *Pediasiomyia.*

Xystomima umbrinervis **sp. n.** Natal p. 51, VILLENEUVE Konowia **4.**

MUSCIDAE (*s. str.*), ANTHOMYIIDAE.

Anthomyiinae of New York with keys pp. 1–51, morphology of genitalia pp. 52–60 figs., HUCKETT Cornell Univ. Agric. Expt. Sta. Mem. **77** 1924.

Correlation between antennal organs of smell and bionomics of Muscidae, LIEBERMANN Zs. Morph. Oekol. Tiere **5** pp. 1–97, 99 figs.

Key to Australian Muscidae, MALLOCH Proc. Linn. Soc. N.S.W. **50** p. 36.

Key to some genera of far eastern Muscidae, MALLOCH Phil. J. Sci. **26** p. 507.

Systematic and synonymic notes on exotic Muscaridae, MALLOCH Ann. Mag. N. H. (9) **16** p. 81.

Anthomyiidae from the Faroe Is., RINGDAHL Ent. Tidskr. **46** pp. 204–205.

Notes on Anthomyiids, SÉGUY Encyc. ent. Ser. B II Dipt. **1** pp. 125–136 & 159–164 fig.

Acritochaeta excisa life-history pp. 275–277, BALLARD Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Alluaudinella key p. 364, *centralis* **sp. n.** Uganda p. 365, MALLOCH Ann. Mag. N. H. (9) **16.**—*A. phasiaeformis* see *Dichaetomyia.*

Atherigona life-history of some spp. pp. 275–277 figs., BALLARD Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*A.*, key to Indian spp. p. 119, *destructor* p. 111, *nudiseta* p. 112, *indica* p. 113, *distincta* p. 114, *excisa*, *bella* p. 115 illustrated; *atripalpis* S. India, *dentifera* Java p. 116, *oryzae*, *erichloae* p. 117, *miliaceae*, *approximata* p. 118, *bituberculata* p. 119, **spp. n.** India figs., MALLOCH Mem. Dept. Agric. India **8.**—*A.* genitalia of some spp. pp. 330–335 figs., RAMACHANDRA RAO Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Balioglutum **gen. n.** p. 9, *illingworthi* **sp. n.** N. Queensland p. 10, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Bdellolarynx see *Haematobia.*

Carduophila **gen. n.** p. 333, *fodiens* **sp. n.** Alps p. 335 figs., HENDEL Zs. Morph. Oekol. Tiere **4.**

Caricea key, *subvittata* p. 332, *imitatrix* p. 333, **spp. n.** New South Wales fig., MALLOCH Austr. Zool. **3.**

Chortophila coronariae **sp. n.** Germany p. 305, HENDEL Konowia **4.**

Clinopera see *Cyrtoneurina.*

Coenosia key p. 331, *latitarsis* **sp. n.** New South Wales p. 332 fig., MALLOCH Austr. Zool. **3.**

Cyrtoneurina key to subgenera, *Cyrtoneuropsis* **subgen. n.** p. 89, type *Mydaea veniseta* Stein p. 91, *Clinopera* Wulp a subgen. p. 90, MALLOCH Ann. Mag. N. H. (9) **16.**

Cyrtoneuropsis **subgen. n.** see *Cyrtoneurina.*

Dichaetomyia latistriata p. 136, *pahangensis* p. 137, *pendleburyi*, *pectinipes* p. 138, **spp. n.** Malay States, MALLOCH Ann. Mag. N. H. (9) **15.**—*D. phasiaeformis* Stein transferred from *Alluaudinella* p. 363, MALLOCH op. cit. **16.**—*D.*, keys p. 322, *terraereginae*, *megophthalma* p. 325, *flavohirta*, *luteohirta* p. 326, **spp. n.** Queensland, MALLOCH Austr. Zool. **3.**—*D.* keys p. 323, *tenuis* p. 323, *nigrita*, *atratula* p. 325, *subpellucens* p. 326, *flavocaudata*, *bisetosa* p. 327, *dubia* p. 328, *fulvitarsis* (with **var. n.** *nigriventris*) p. 330, **spp. n.** Philippines, MALLOCH Phil. J. Sci. **26.**

Eginiella **gen. n.**, *brunnescens* **sp. n.** China p. 93, MALLOCH Ann. Mag. N. H. (9) **16.**

Emusca **subgen. n.** see *Musca.*

Eremomyia key p. 10, *vernalis* **sp. n.** Ithaca p. 11 fig., HUCKETT Cornell Univ. Agric. Expt. Sta. Mem. **77** 1924.

Eumusca see *Musca* (*Emusca*).

Glossinella see *Lyperosia.*

Graphomyia key to African spp. p. 84, *hirtitibia* Natal p. 85, *luteiventris* **spp. n.**; *arcuatofasciata* **var. n.** *fasciventris* p. 368 Uganda; *hirtitibia* ♀ described p. 369, MALLOCH Ann. Mag. N. H. (9) **16.**

Haematobia (= *Bdellolarynx*) *nudinervis* Stein (= *sanguinolentus* Austen) p. 189, PATTON Phil. J. Sci. **27.**

Hammomyia jacquineti **sp. n.** Alps p. 163, corrected key p. 164, SÉGUY Encyc. ent. Ser. B II Dipt. **1.**

Helina key p. 40, *hypopleuralis*, *nigrohalterata* p. 43, *castigata*, *adversa* p. 44, **spp. n.** Australia, MALLOCH Proc. Linn. Soc. N. S. W. **50.**

Heliographa key to far eastern p. 508, MALLOCH Phil. J. Sci. **26.**

Hydrophoria keys p. 14, *orientalis* **sp. n.** Long Island p. 16 fig., HUCKETT Cornell Univ. Agric. Expt. Sta. Mem. **77** 1924.

Hydrotaea nidicola **sp. n.** N. America p. 184, MALLOCH Bull. Brooklyn Ent. Soc. **20.**—*H.*, keys to Swedish spp. p. 9, *atrisquama* **sp. n.** Sweden p. 19, RINGDAHL Ent. Tidskr. **46.**

Hylemyia fugax incubation period, larva described p. 97, FROST Cornell Univ. Agric. Expt. Sta. Mem. **78** 1924.—*H. seideli* **sp. n.** Germany p. 533, HERING Zs. Morph. Oekol. Tiere **4.**—*H.*, keys pp. 17–21, *arnolitra* p. 22, *grandivillosus* p. 26, *inconspicuus* p. 27, *ithacensis* p. 28, *latifrontalis* p. 30, *setitarsata* p. 32, *spizellae* p. 33, *unidorsalis* p. 35, **spp. n.** U.S.A. figs., HUCKETT Cornell Univ. Agric. Expt. Sta. Mem. **77** 1924.—*H.*, key p. 101, *commixta*, *hessei* p. 99, *discalis* p. 100, **spp. n.** Alps, SÉGUY Encyc. ent. Ser. B II Dipt. **2.**

Hylephila brevifrons further description p. 159, *presponsa* Alps p. 160, *setosa* no locality p. 161, **spp. n.**, SÉGUY Encyc. ent. Ser. B II Dipt. **1.**

Idiohelina setifemur **sp. n.** New Zealand p. 141, MALLOCH Ann. Mag. N. H. (9) **15.**

Leptohylemyia coarctata life-history pp. 359–360 fig., MORRIS Bull. Ent. Res. **15**; early stages p. 503 figs., PURI Ann. Mag. N. H. (9) **16.**

Limnophora birulai p. 22, *macropyga* p. 23, *cilifera*, *pseudodispar* p. 24, *tundrae* p. 25 (with **var. n.** *novaesibiriae* p. 26), *pumilio* p. 27, **spp. n.** Arctic Siberia, FREY Mém. Acad. Sci. Russ. **29** no. 10 1915.—*L.* key p. 327, *divergens* N. S. Wales, *pulvillata* Queensland p. 328, **spp. n.**, MALLOCH Austr. Zool. **3.**

Lispa key p. 333, *armata* p. 335, N. S.W., *eidsvoldica* p. 336, *incerta* p. 337 Queensland, **spp. n.**, MALLOCH t.c.

Lyperosia (= *Glossinella*) p. 189, PATTON Phil. J. Sci. **27.**

Melanochelia **subgen. n.** *Millerina* p. 138, key p. 139, *pennata* type, *hudsoni* p. 140, *nigrifemur* p. 141 **spp. n.** New Zealand; *Trichopticus limpida* Hutton transferred to, p. 139, MALLOCH Ann.Mag. N. H. (9) **15.**

Mesembrina magnifica **sp. n.** China p. 9, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Millerina **subgen. n.** see *Melanochelia.*

Morellia asetosa **sp. n.** Serbia p. 59 figs., BARANOV Encyc. ent. Ser. B II Dipt. **2.**—*M. affinis* **sp. n.** Panama p. 86, MALLOCH Ann. Mag. N. H. (9) **16.**

Musca domestica metabolism pp. 193–196 fig., COTTE & TIAN Soc. Biol. Réunion plénière 1924.—*M.*, key to allied genera p. 134 figs., MALLOCH Ann. Mag. N. H. (9) **15.**—*M.*, *Emusca* **n. n.** for subgen. *Eumusca* Towns.; *tempestatum* Bezzi (= *fasciata* Stein) p. 372; *scatophaga* S. Africa p. 373, *formosana* Formosa p. 375, **spp. n.**, MALLOCH op. cit. (9) **16.**—*M.*, embryology pp. 181–238 figs., REITH Zs. wiss. Zool. **126.**

Mydaea uliginosa voracity & pupation, pp. 15, 80, CHEVALIER Bull. Soc. Sci. Seine-et-Oise, Versailles (2) **5** 1924. —*M. morosa* see *Xenosina.*—*M. veniseta* see *Cyrtoneurina.*—*M. cinnamomina* see *Neomusca.*

Myospila key, *hypopleuralis* **sp n.** N. Queensland p. 330, MALLOCH Austr. Zool. **3.**

Neohelina key, *flavomarginata* **sp. n.** S. Australia p. 329, MALLOCH t.c.

Neohylemyia mallochi **sp. n.** Long Island p. 37 fig., HUCKETT Cornell Univ. Agric. Expt. Sta. Mem. **77** 1924.

Neomusca cinnamomina Stein transferred from *Mydaea* p. 88, MALLOCH Ann. Mag. N. H. (9) **16.**

Orthellia nigrocincta Bigot (= *albigena* Stein) p. 365, MALLOCH t.c.

Pegomyia characters of eggs & larvae of N. American spp. p. 99, *calyptrata* pp. 100–110, *hyoscyami* pp. 110–125 bionomics, *vanduzeei* stages p. 126, figs., FROST Cornell Univ. Agric. Expt. Sta. Mem. **78** 1924.—*P. villeneuviana* Austria p. 302, *rumicicola* p. 303, *steini* p. 304 Tyrol, **spp. n.**, HENDEL Konowia **4.**

Pogonomyza keys p. 48, *campestris*, *gleniensis* **spp. n.** New York, p. 49 figs., HUCKETT Cornell Univ. Agric. Expt. Sta. Mem. **77** 1924.

Pyrellina rhodesi **sp. n.** Rhodesia p. 87, MALLOCH Ann. Mag. N. H. (9) **16.**

Stomoxys rodhainica **sp. n.** E. Africa p. 468 fig., ROUBAUD Bull. Soc. Path. exot. **18.**

Trichopticus limpida see *Melanochelia.*

Xenosina **gen. n.** for *Mydaea morosa* Stein, key, *pudica* **var. n.** *rufomarginata* Philippines p. 509, *flavibasis* **sp. n.** Formosa p. 510, MALLOCH Phil. J. Sci. **26.**

Muscidae Acalyptratae.

SCATOMYZIDAE (including SCATOPHAGIDAE & CORDYLURIDAE).

Clidogastra veratri **sp. n.** Austria p. 301, HENDEL Konowia **4.**

Eugenacephala ruficeps **sp. n.** Labrador p. 25, CURRAN Can. Ent. **57.**

Gimnomera ? pinocheti **sp. n.** Chile p. 107, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Scatophaga lefebvrei see *Camptopsila* (Psilidae).

BORBORIDAE.

Studies in N. American Borboridae (key p. 100), SPULER Can. Ent. **57** pp. 99–104 & 116–124 figs.

Acuminiseta **subgen. n.** see *Leptocera.*

Archicollinella **subgen. n.** see *Leptocera.*

Biroella **subgen. n.** see *Leptocera.*

Borboroides **gen. n.** *atra* **sp. n.** Sydney p. 85 fig., MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Borborus (*Crumomyia*) *immensus* p. 4, *B.* (*Stratioborborus*) *setitibialis*, *maculipennis* p. 6, *B.* (*Borborillus*) *frigipennis* p. 9, *peltastes* p. 10, *singularis* p. 12, *B.* (*Borborus*) *calcitrans* p. 14, **spp. n.** U.S.A. fig., SPULER Bull. Brooklyn Ent. Soc. **20.**

Bromeloecia **subgen. n.** see *Leptocera.*

Chaetopodella **subgen. n.** see *Leptocera.*

Leptocera revision (excluding Europe) pp. 5–215 ; (*Collinella*) *promissa* Transvaal p. 23, *aequalitarsis* Abyssinia p. 24, *sauteri* p. 26, *pseudooctisetosa* p. 27, *filiforceps* p. 40, Formosa, *australica* Australia p. 30, *paraguayensis* p. 29, *striata* p. 32, *aequipilosa* p. 34, *maculipennis* p. 39, *bipilosa* p. 43, *divergens*, *pluriseta* p. 45, *multisetosa* p. 48 S. America, *limbinervis* Costa Rica p. 33, *hammersteini* E. Africa p. 36, *ruficornis* Tambillo p. 41 **spp. n.** ; *acrosticalis* **var. n.** *conradti* Fernando Po p. 47 ; (*Paracollinella*) *koningsbergeri* Java p. 50, *pararoralis* N. America p. 51, *abdominiseta* p. 52, *aequilimbata* p. 58 S. America, *parafulva* p. 54, *nigrolimbata* p. 60, *paranigrolimbata* p. 61 Formosa, *kovácsi* Abyssinia p. 56, (*Archicollinella* **subgen. n.** p. 64) *caerulea* Chile p. 65, (*Opacifrons*) *dupliciseta* Formosa p. 68, *niveohalterata* Java p. 69, *impudica* Peru p. 70, (*Poecilosomella* **subgen. n.** p. 78) *pallidimana* p. 85, *longecostata* p. 92 Abyssinia, *albipes* Philippines p. 86, *meijerei* Tjibodas p. 90, *varians* Singapore p. 100, *rectinervis* Java p. 100, *furcata* p. 91, *amputata* p. 97, *nigrotibiata* p. 98, *multipunctata* p. 101, *longinervis* p. 103 Formosa **spp. n.** ; *Biróella* **subgen. n.** for *myrmecophila* Mall. p. 74 ; *Mallochella* **subgen. n.** p. 74, *rutilans* p. 106, *parameridionalis* p. 108, *simplicicrus* p. 112, *ovipennis* p. 115 S. America, *substriata* Costa Rica p. 109, (*Acuminiseta* **subgen. n.** p. 76) *elegantula* India p. 122, *prominens* p. 124 Paraguay, *flavicornis* p. 125, *longiventris* p. 126 Annam, *ciliata* Singapore p. 128, (*Anommonia*) *flavifrons* Sumatra p. 130, (*Ceroptera*) *brevifrons* Paraguay p. 138,

crispa E. Africa p. 140, (*Chaetopodella* **subgen. n.** p. 75) *denigrata* E. Africa p. 146, *biseta* p. 149, *pulchripes* p. 151 S. America, (*Scotophilella*) *longidiscoidalis* New Guinea p. 165, *curvitarsis* p. 167, *boliviensis* p. 169, *propulsa* p. 171, *chilenica* p. 174, *plumbea* p. 177, *longipennis* p. 178, *plumiseta* p. 185, *fusca* p. 191, *paramoesta* p. 194 S. America, *paraminima* Costa Rica p. 170, *rufa* Formosa p. 172, *opaca* E. Africa p. 180, *mediospinosa* Transvaal p. 182, *nigroscutellata* p. 183, *heteroneuroidea* p. 192 Abyssinia, *flavibucca* Africa ? p. 188, *latipes* Singapore p. 190, *kertészi* Hungary p. 164, (*Trachyopella*) *formosae* Formosa p. 200, *hyalinervis* Paraguay p. 201, (*Coprophila*) *hirtuloidea* Peru p. 206, **spp. n.** figs., DUDA Arch. Natg. **90** A 11.—*L. winnemana* **sp. n.** Maryland p. 97, MALLOCH Bull. Brooklyn Ent. Soc. **20.**—*L.* (*Pterogramma* **subgen. n.** key p. 100), (*P.*) *luxor* p. 101, (*P.*) *orthoneura*, (*P.*) *madaris* p. 102 Costa Rica, (*Trachyopella*) *lineafrons* N. America p. 103, (*Spelobia* **subgen. n.**) *lucifuga* Oregon p. 117, (*Bromeloecia* **subgen. n.**) p. 119, (*Thoracochaeta*) *seticosta* p. 120, *johnsoni* p. 121 Washington, *rufa* Massachusetts p. 122 **spp. n.**, (*Coprophila*) *exiguella* **n. n.** for *exigua*, Adams, p. 123, figs., SPULER Can. Ent. **57.**—*L.* (*Scotophilella* **subgen. n.**) revision of N. American spp. p. 70 ; *levifrons* p. 77, *gracilipennis* p. 78, *cellularis* p. 79, *maculipennis* p. 80, *robusta* p. 81, *xanthocephala* p. 82, *concava* p. 83, *nasuta* p. 84, *albifrons* p. 147, *dissimilicosta* p. 148, *elegans* p. 149, *curtipennis* p. 150, *abundans* p. 151, *levigena* p. 152, *carinata* p. 153, *gibba* p. 154, *rara*, *longicosta* p. 155, *luctuosa* p. 157, *nigrifrons* p. 158, *ordinaria* p. 159, **spp. n.** N. America figs., SPULER J. New York Ent. Soc. **33.**

Limosina penetralis **sp. n.** on board ship North Sea p. 333, COLLIN Ann. Mag. N. H. (9) **16.**

Mallochella **subgen. n.** see *Leptocera.*

Poecilosomella **subgen. n.** see *Leptocera.*

Pterogramma **subgen. n.** see *Leptocera.*

Scotophilella **subgen. n.** see *Leptocera.*

Spelobia **subgen. n.** see *Leptocera.*

Sphaerocera synopsis of New World pp. 117–123, key p. 118, *flaviceps*, *flavicoxa* p. 120, *varipes* p. 121 Costa Rica, *striata* Florida, *nigrifemur* Maryland p. 122, **spp. n.**, MALLOCH Proc. Ent. Soc. Wash. **27.**

HETERONEURIDAE.

Revision of the Clusiidae, keys to genera & spp., MELANDER & ARGO Proc. U. S. Nat. Mus. **64** 1924 art. 11 54 pp. 4 pls.

Chaetoclusia key p. 7, *longifilata* Panama p. 8, *quadrivittata* Costa Rica, *nigromaculata* Hayti p. 9, **spp. n.** figs., id. t.c.

Clusiodes key p. 13, *nigra* p. 17, *C.* (*Clusiaria*) *atra* p. 18, *nitida* p. 20, *terminalis* (= *apicalis* Mall. nec Ztt.) p. 22, **spp. n.** figs. U.S.A., id. t.c.

Czernyola key p. 25, *claripennis*, *fascipennis* **spp. n.** Costa Rica p. 26 figs., id. t.c.

Heteromeringia key p. 28 ; *fumipennis* **sp. n.** Costa Rica p. 30 ; *nitida* **var. n.** *nigripes* U.S.A. p. 31, id. t.c.—*H. lumbalis*, Will., *valida* Will., see *Sobarocephala.*

Sobarocephala key p. 34, *annulata* p. 36, *bivittata* p. 37, *fascipennis* p. 39 Costa Rica, Panama, *flava* U.S.A., *humeralis* p. 40, *hypopygialis* p. 41 Costa Rica, *lachnosternum* Virginia p. 42, *latipennis* Costa Rica, Panama, *liturata* Costa Rica p. 43 **spp. n.** ; *lumbalis* Will. transferred from *Heteromeringia* p. 44 ; *nigronotum* p. 45, *plumatella* Costa Rica, *plumata* Panama p. 46, *setipes* Maryland p. 47 **spp. n.** ; *valida* Will. transferred from *Heteromeringia* ; *variegata* p. 48, *xanthomelana* Costa Rica p. 49 **spp. n.** figs., id. t.c.

HELOMYZIDAE.

A monograph of the Helomyzidae, CZERNY Abh. zool.-bot. Ges. Wien **15** 1924 pp. 1–166.

Amoebaleria spectabilis p. 134, *amplicornis* p. 135, **spp. n.** Europe, CZERNY t.c.

Anorostoma chiloensis **sp. n.** Chile p. 108, BRÈTHES Rev. chil. Hist. nat. **28** 1924.—*A. romanum* **sp. n.** Rome p. 114, CZERNY Abh. zool.-bot. Ges. **15** 1924.

Anymphochaeta **gen. n.** for *Helomyza fuscinervis* Ztt. p. 158, CZERNY t.c.

Anypotacta **gen. n.** *setulosa* **sp. n.** Europe p. 143, CZERNY t.c.

Chaetomus **gen. n.** for *Helomyza flavotestaceus* Ztt. p. 128, CZERNY t.c.

Eccoptomera smartini Tyrol p. 94, *inermis* Russia p. 97, *marginicornis*, *triseta* Germany p. 99 **spp. n.**, key p. 92, CZERNY t.c.

Helomyza halterata see *Tephrochlaena*, *flavotestaceus* see *Chaetomus*, *fuscinervis* see *Anymphochaeta*.

Heteromyza lapponica **sp. n.** Lapland p. 77 fig., CZERNY t.c.

Morpholeria kertészii **sp. n.** Austria p. 111, CZERNY t.c.

Neoleria fuscicornis Italy p. 120, *buccata* Tunis p. 121, **spp. n.**, CZERNY t.c.

Oldenbergiella **gen. n.**, *callosa* p. 69 Austria, *brumalis* p. 70 Berlin, **spp. n.**, CZERNY t.c.

Scoliocentra villosula Europe, *oldenbergii* Switzerland **spp. n.** p. 140, CZERNY t.c.

Spanoparéa **gen. n.** p. 103, *dudai* **sp. n.** Silesia p. 105, CZERNY t.c.

Suillia immaculata p. 40 Lake Tanganyika, *villeneuvei*, *imberbis* p. 46, *beckeri* p. 47, *quadrilineata* p. 53 Europe, **spp. n.**, CZERNY t.c.

Tephrochlaena **gen. n.** for *Helomyza halterata* Mg. p. 87, CZERNY t.c.

Tephrochlamys fasciata **sp. n.** Tonkin p. 83, CZERNY t.c.

Trichochlamys **gen. n.** *borealis* **sp. n.** Behring Straits p. 155, CZERNY t.c.

SCIOMYZIDAE.

Neuroctena ruthae **sp. n.** N. Carolina p. 75, BRIMLEY Ent. News **36.**

Tetanocera vicina **subsp. n.** *nanciae* N. Carolina p. 75, id. t.c.

SAPROMYZIDAE

(including LAUXANIIDAE).

Revision of the genera of Lauxaniidae with keys, HENDEL Encyc. ent. Ser. B **II** Dipt. **2.**

Agriphoneura **gen. n.** p. 109, id. t.c.

Allogriphoneura **gen. n.** p. 109, id. t.c.

Allominettia **gen. n.** p. 106, id. t.c.

Asilostoma **gen. n.** p. 104, id. t.c.

Aulogastromyia **gen. n.** p. 112, id. t.c.

Blepharolauxania **gen. n.** p. 106, id. t.c.

Calliope see *Halidayella*.

Ceratolauxania **gen. n.** p. 108, id. t.c.

Cnematomyia **gen. n.** p. 107, id. t.c.

Deutominettia **gen. n.** p. 106, id. t.c.

Dryomyzothea **gen. n.** p. 104, id. t.c.

Eriurgus **gen. n.** p. 104, id. t.c.

Griphoneura alboapicata p. 76, *affinis* Costa Rica, *atricornis*, *suffusa* Brazil p. 77, **spp. n.**, MALLOCH Proc. Biol. Soc. Wash. **38.**—*G. wallacei* **sp. n.** Mysol p. 362, MALLOCH Ann. Mag. N. H. (9) **16.**

Halidayella **n. n.** for *Calliope* p. 107, HENDEL Encyc. ent. Ser. B II Dipt. **2.**

Katalauxania **gen. n.** p. 108, id. t.c.

Lauxania pacifica further description p. 57 fig., COLE J. Ent. & Zool. **17.**

Neominettia **gen. n.** p. 111, HENDEL Encyc. ent. Ser. B II Dipt. **2.**

Meiosimyza **gen. n.** p. 112, id. t.c.

Oxyrhina binotata see *Trigonometopsis*.

Paracestrotus **gen. n.** p. 102, HENDEL Encyc. ent. Ser. B II Dipt. **2.**

Platygraphium **gen. n.** p. 104, id. t.c.

Rhabdolauxania **gen. n.** p. 111, id. t.c.

Sapromyza atriventris **sp. n.** New South Wales p.83, MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Scutolauxania **gen. n.** p. 106, HENDEL Encyc. ent. Ser. B II Dipt. **2.**

Tricholauxania **gen. n.** p. 112, id. t.c.

Trigonometopsis **gen. n.** for *Oxyrhina binotata* Thomson p. 82, MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Xenochaetina setitibia p. 81, *polita* p. 82, **spp. n.** Bri. Guiana, MALLOCH Ann. Mag. N. H. (9) **16.**

LONCHAEIDAE.

Lonchaea hirtithorax **sp. n.** Oregon p. 8, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

ORTALIDAE.

Chaetopsis brooksi **sp. n.** Florida p. 301, JOHNSON Psyche **32.**

Eupterocalla **gen. n.** (near *Pterocalla*) *opazoi* **sp. n.** Chile p. 12 fig., BRÈTHES An. Zool. aplic. **3** 1916.

Ulidia compta Cole (= *similis* Johnson) further description p. 58 fig., COLE J. Ent. & Zool. **17.**

TRYPETIDAE.

A monograph of Egyptian Trypaneidae, EFFLATOUN Mém. Soc. R. ent. Egypte **2** 1924 pp. 1-132 figs.

Bionomics of fruit-flies of wild olives in S. Africa, MUNRO Union S. Africa Dept. Agric. Ent. Mem. **2** 1924 pp. 5–17 figs.

Biological notes on S. African Trypaneidae, I, MUNRO Union S. Africa Dept. Agric. Ent. Mem. **3** pp. 39–67.

Anastrepha schausi Costa Rica, *barnesi* Guatemala p. 3, *cordata* Br. Honduras p. 4, *obscura* Trinidad p. 5, *ornata* Ecuador p. 6, **spp. n.**, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Carpomyia caucasica, biology Transcaucasia 7 pp., PRINTZ Notes App. Sci. Depts. Bot. Gdns. Tiflis **1919** no. 1.

Dacus key to Egyptian p. 31, *longistylus* **var. n.** *clarus* Egypt p. 33 fig., EFFLATOUN Mém. Soc. R. ent. Egypte **2** 1924.

†*Eophlebomyia* **gen. n.**, *claripennis* **sp. n.** Eocene, Colorado p. 4 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.—†*E.*, further notes pp. 229–230, COCKERELL Psyche **32**.

Eurosta solidaginis note on rearing pp. 128–129, CURRAN Can. Ent. **57**.

Odontomerus dorotheae **sp. n.** N. Carolina p. 74, BRIMLEY Ent. News **36**.

Phobema **gen. n.** (near *Anastrepha*) *atrox* **sp. n.** Ecuador p. 7, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Schistopterum moebiusi larva & pupa described pp. 62–67 figs., EFFLATOUN Bull. Soc. R. ent. Egypte **1925**.

Tephritis key to Egyptian p. 100, *desertorum* p. 101, *pulcherrima* p. 102, **spp. n.** Egypt figs., EFFLATOUN Mém. Soc. R. ent. Egypte **2** 1924.

Terellia planiscutellata larva & pupa described pp. 67–70 figs., EFFLATOUN Bull. Soc. R. ent. Egypte **1925**.

Toxotrypana curvicauda biology in Florida 10 pp. figs., MASON U. S. Dept. Agric. Bull. **1081** 1922.

SEPSIDAE.

Monograph of the Sepsidae with keys, Part I General Section and Palaearctic & Nearctic Species, DUDA Ann. nat.-hist. Mus. Wien **39** pp. 1–153 2 figs. 7 pls.

Key to genera of Sepsidae, FREY Not. ent. **5** p. 69.

Keys to genera & species of Sepsidae of Belgium, GOETGHEBUER & BASTIN Bull. & Ann. Soc. ent. Belg. **65** pp. 123–137 figs.

Decachaetophora **gen. n.** for *Sepsis aeneipes* de Meij. p. 27, DUDA Ann. nat.-hist. Mus. Wien **39**.

Dicranosepsis **subgen. n.** see *Sepsis*.

Enicomira **gen. n.** for *Themira minor* Hal. p. 27, DUDA Ann. nat.-hist. Mus. Wien **39**.

Lasionemopoda **gen. n.** for *Sepsis hirsuta* de Meij. p. 30, DUDA t.c.

Lasiosepsis **gen. n.** for *Sepsis hirtipes* Becker pp. 28, 44, DUDA t.c.

Leptomerosepsis **subgen. n.** see *Sepsis*.

Meropliosepsis **gen. n.** *sexsetosa* **sp. n.** Costa Rica p. 28, DUDA Ann. nat.-hist. Mus. Wien **39**.

Meroplius incurvus Abyssinia, *plurisetosus* Hungary pp. 38, 98, (*Pseudomeroplius* **subgen. n.**) *acrosticalis* Uganda **spp. n.**; *Parameroplius* **subgen. n.** for *Sepsis fasciculata* p. 37, DUDA t.c.

Nemopoda orientalis see *Perochaeta*.

Ortalischema **gen. n.** for *Sepsis albitarsis* Zett. p. 75, FREY Not. ent. **5**.

Palaeosepsis **subgen. n.** see *Sepsis*.

Parameroplius **subgen. n.** see *Meroplius*.

Parapalaeosepsis **subgen. n.** see *Sepsis*.

Paratoxopoda **gen. n.** p. 29, *coxa*, *crassiceps*, *nigritarsis*, *intermedia* **spp. n.** p. 32 Kamerun, DUDA Ann. nat.-hist. Mus. Wien **39**.

Perochaeta **gen. n.** for *Nemopoda orientalis* de Meij. p. 29, DUDA t.c.

Poecilopterosepsis **subgen. n.** see *Sepsis*.

Protothemira **gen. n.** for *Sepsis albitarsis* Zett. p. 26, DUDA t.c.

Pseudomeroplius **subgen. n.** see *Meroplius*.

Pseudonemopoda **gen. n.** *speiseri* **sp. n.** Prussia pp. 30, 99, DUDA t.c.

Saltelliseps **gen. n.** p. 25 for *Sepsis tenella* de Meij., *niveipennis* **var. n.** *robusta* Formosa p. 31, DUDA t.c.

Sepsidimorpha setulosa **sp. n.** Austria p. 148 fig., DUDA t.c.

Sepsis glabra Abyssinia, *polychaeta* Madagascar **spp. n.**; *lateralis* **varr. n.** *bigemmis* E. Africa p. 50, *aequipilosa* Madagascar; *abyssinica* Abyssinia, *tuberculata* S. E. Asia p. 51, *sternopleuralis* Natal p. 52, *femoriseta* Madagascar, *macrochaetophora* (with **varr. n.** *pedunculata* p. 53, *validiseta* p. 54) Natal, Madagascar p. 53 **spp. n.**; *albopunctata* **var. n.** *acroleucoptera* Madagascar, Abyssinia, Formosa; *arotrolabis* **sp. n.** (with **var. n.** *setipes*) Natal p. 55; *tonsa* **nom. n.** for *nigripes* auct. nec Meig. pp. 56, 108; *laticeps* **sp. n.** Formosa p. 56; *punctum* var. *violacea* **subvar. n.** *zernyi* Sicily p. 116 and **var. n.** *quadrisetosa* Mediterranean pp. 57, 116; *ciliciforceps* **sp. n.** (with **var. n.** *schineri*) Europe, Siberia pp. 57, 116; *melanopoda* **n. n.** for *atripes* Desv. and *nigripes* Frey nec Meig. (with **var. n.** *kertészi*) pp. 58, 121, *meijerei* **sp. n.** Holland pp. 60, 121, (*Parapalaeosepsis* **subgen. n.** type *plebeja* de Meijere p. 42), (*Poecilopterosepsis*, *Palaeosepsis* **subgenn. n.** p. 43), (*P.*) *laticornis* Colombia, *dentaticornis* Costa Rica **spp. n.**; *dentata* **var. n.** *maculata* Venezuela, Brazil, Bolivia p. 46; (*Dicranosepsis* **subgen. n.** type *bicolor* Wied. p. 43), (*D.*) *bicolor* **var. n.** *bipilosa* p. 47 (with **subvar. n.** *bipilosiformis* India, Ceylon, Formosa), (*D.*) *bicolor* var. *appendiculata* de Meijere **subvar. n.** *subciliata* Formosa, (*D.*) *bicolor* **varr. n.** *mediotibialis*, *gracilis* (with **subvar. n.** *graciliformis*), *unipilosa* Formosa p. 48, (*Leptomerosepsis* **subgen. n.** p. 44), (*L.*) *simplicicrus* **sp. n.** Kamerun p. 49, Duda Ann. nat.-hist. Mus. Wien **39.**—*S.* key p. 71, *communis* **n. n.** for *cynipsea* Frey & *nigripes* Coll., *goetghebueri* **n. n.** for *nigripes* Goetgh., *borealis* **n. n.** for *nigripes* Frey p. 71, Frey Not. ent. **5.**—*S. albitarsis* see *Ortalischema*, *tenella* see *Saltelliseps*, *albitarsis* see *Protothemira*, *aeneipes* see *Decachaetophora*, *hirtipes* see *Lasiosepsis*, *hirsuta* see *Lasionemopoda*, *fasciculata* see *Meroplius* (*Parameroplius*).

Themira germanica Germany pp. 35, 83, *seticrus* C. Asia pp. 36, 89, (*Enicita*) *simplicipes* pp. 33, 72 **spp. n.**; *annulipes* **var. n.** *crassiseta* p. 33 Hungary, Duda Ann. nat.-hist. Mus. Wien **39.**—*T. minor* see *Enicomira*.

Psilidae.

Camptopsila **gen. n.** for *Scatophaga lefebvrei* Zett. p. 49, Frey Not. ent. **5.**

Chamaepsila sibirica (with **var. n.** *femoralis*) Siberia p. 48, *nigrosetosa* Finland p. 49, **spp. n.**, Frey t.c.

Imàntimyia **subgen. n.** see *Loxocera*.

Loxocera **subgen. n.** *Imantimyia* for *Nemotelus albiseta* Schrank p. 50, Frey Not. ent. **5.**

Nemotelus albiseta see *Loxocera*.

Oxypsila **gen. n.** for *Psila abdominalis* Schumm. p. 47, Frey Not. ent. **5.**

Psila abdominalis see *Oxypsila*, *obscuritarsis* see *Tetrapsila*.

Tetrapsila **gen. n.** for *Psila obscuritarsis* Loew p. 48, Frey Not. ent. **5.**

Chloropidae.

Chloropeila **gen. n.**, *bipartita* **sp. n.** Sydney p. 94, Malloch Proc. Linn. Soc. N.S.W. **50.**

Chloropisca notata hibernation p. 70, Zürcher Mitt. aarg. natf. Ges. **17.**

Chlorops kuwanae **sp. n.** Japan p. 2, Aldrich Proc. U. S. Nat. Mus. **66** art. 18.

Euhippelates **gen. n.** type *pallidiseta* **sp. n.** p. 96 (with **var. n.** *pallipes* p. 97) Sydney, Malloch Proc. Linn. Soc. N.S.W. **50.**

Gaurax dorri **sp. n.** Maine p. 47, Johnson Psyche **32.**

Hippelates porteri **sp. n.** Chile p. 35, Bréthes Rev. chil. Hist. nat. **29.**—*H. bancrofti* **sp. n.** Queensland p. 97, Malloch Proc. Linn. Soc. N.S.W. **50.**

Oscinella frit biology, parasites & geographical distribution pp. 12–87 figs., Schander & Meyer Arch. Natg. **90** A 12.

Pachylophus lutea **sp. n.** Queensland p. 95, Malloch Proc. Linn. Soc. N.S.W. **50.**

Parahippelates anomala **sp. n.** New South Wales p. 96, Malloch Proc. Linn. Soc. N.S.W. **50.**

Somillus **gen. n.** (near *Mosillus*) *melanosoma* **sp. n.** Chile p. 110, Brèthes Rev. chil. Hist. nat. **28** 1924.

Thyridula centralis **sp. n.** Sydney p. 95, Malloch Proc. Linn. Soc. N.S.W. **50.**

DIOPSIDAE.

Synonymic list and synopsis of African Diopsidae, EGGERS Zool. Jahrb. Abt. Syst. **49** pp. 482–500.

Diopsis ichneumonea **var. n.** *ichneumonella*; *nigricollis* p. 471, *nigriceps* p. 473, *rubriceps* p. 474, *acanthophthalma* p. 476, *melania* p. 477, *conspicua* p. 480 **spp. n.**; *fumipennis* **var. n.** *fascifera* p. 475 German E. Africa figs., EGGERS t.c.

MILICHIIDAE.

Milichiella nigrella further description p. 58, COLE J. Ent. & Zool. **17.**

Pholeomyia expansa **sp. n.** California p. 1, ALDRICH Proc. U. S. Nat. Mus. **66** art. 18.

Phyllomyza lucens Italy p. 405, *leanderi* p. 406, *tetragona* p. 407, *fagicola* p. 408 Austria, **spp. n.**, HENDEL D. ent. Zs. **1924.**

EPHYDRIDAE.

Studies in Old World Ephydridae, CRESSON Trans. Amer. Ent. Soc. **51** pp. 227–258.

Athyroglossa freta Formosa, *scabra* Australia p. 238, *evidens* New Guinea p. 239, **spp. n.**, CRESSON t.c.

Canace albiceps **sp. n.** Sydney p. 87, MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Cerometopum lacunosum **sp. n.** Costa Rica p. 165, CRESSON Ent. News **36.**

Ceropsilopa decussata Formosa p. 251, *tenuicornis* Queensland, *opulens* Madagascar **spp. n.**, *bidigitata* **n. n.** for *Psilopa longicornis* Meij. nec Lamb p. 252, CRESSON Trans. Amer. Ent. Soc. **51.**—*C. adjuncta* Porto Rico p. 165, *staffordi* Louisiana p. 166, **spp. n.**, CRESSON Ent. News **36.**

Ditrichophora nadineae **sp. n.** California p. 166, CRESSON t.c.

Ephydra subopaca biology pp. 561–612 figs., CHIH PING Cornell Univ. Agric. Expt. Sta. Mem. **49** 1921.—*E. pacifica* **sp. n.** Br. Columbia p. 167, CRESSON Ent. News **36.**—*E. bivittata* monograph pp. 1–58 figs., ZAVATTARI Mem. R. Com. talassogr. ital. **83** 1921.

Glenanthe litorea **sp. n.** N. Jersey p. 166, CRESSON Ent. News **36.**

Gymnopa beckeri Sudan p. 231, *grandis* p. 232, *dentifemur* p. 233 Formosa, **spp. n.**, CRESSON Trans. Amer. Ent. Soc. **51.**

Hydrellia stratiotae p. 535, *butomi* p. 536, *hydrocharitis* p. 537, **spp. n.** Germany, HERING Zs. Morph. Oekol. Tiere **4.**

Leptopsilopa mutabilis **sp. n.** Philippines p. 250, CRESSON Trans. Amer. Ent. Soc. **51.**

Pelex purimana **sp. n.** Philippines p. 253, CRESSON t.c.

Psilopa mentita **sp. n.** Annam p. 245, CRESSON t.c.—*P. longicornis* see *Ceropsilopa bidigitata.*

Scatophila grisescens **sp. n.** Arctic Siberia p. 32, FREY Mém. Acad. Sci. Russ. **29** no. 10 1915.

Stratiothyrea browni **sp. n.** Philippines p. 240, CRESSON Trans. Amer. Ent. Soc. **51.**

Trimerina adfinis see *Trimerinoides.*

Trimerinoides **gen. n.** for *Trimerina adfinis* Cresson p. 165, CRESSON Ent. News **36.**

DROSOPHILIDAE.

Amiota africana **sp. n.** Uganda p. 361, MALLOCH Ann. Mag. N. H. (9) **16.**

Drosophila melanogaster, simulans, eggs pp. 778–780, EPHRUSSI C.R. Soc. Biol. **92.**—*D. poecilithorax* **sp. n.** Sydney p. 87, MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Leucophenga flavopuncta **sp. n.** Durban p. 83, MALLOCH Ann. Mag. N. H. (9) **16.**

GEOMYZIDAE.

Aphaniosoma nigridorsum **sp. n.** Sydney p. 94, MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Chiromyia bezzii **sp. n.** Chile p. 108, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Opomyza florum biology pp. 47–76 fig., BELSKY J. App. Ent. **1** 1917.

AGROMYZIDAE.

The larvae of the Agromyzinae, DE MEIJERE Tijdschr. Ent. **68** pp. 195–293 60 figs.

Agromyza heringi **sp. n.** Switzerland p. 220, DE MEIJERE Tijdschr. Ent. **68.**—*A. ulmi* **sp. n.** N. America p. 54 fig.,

FROST Cornell Univ. Agric. Expt. Sta. Mem. **78** 1924.—*A. bicophaga* **sp. n.** Germany p. 130, HERING Zs. wiss. Insektenbiol. **20.**—*A. gayi* **sp. n.** Chile p. 14 fig., PORTER An. Zool. aplic. **3** 1916.—*A. scutellata, pusilla* biology pp. 129–135, VELITCHKEVITCH Trans. 2nd All-Rus. Ent.-Phyto. Meeting Petrograd 25–30 Oct. 1920, **1921.**

Cerodonta australis p. 89, *robusta* p. 90, **spp. n.** Sydney figs., MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Dizygomyza solidaginis Kalt., a good species p. 133, HERING Zs. wiss. Insektenbiol. **20.**—*D. caricis* **sp. n.** Germany p. 534, HERING Zs. Morph. Oekol. Tiere **4.**

Fergusonina atricornis, flavicornis, scutellata **spp. n.** Sydney p. 92 figs., MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Leucopis atrifacies **sp. n.** S. Francisco p. 152, ALDRICH Pan-Pacific Ent. **1.**—*L. annulipes* discussed p. 448, OLDENBERG D. ent. Zs. **1924.**

Liriomyza ononidis p. 278, *ptarmicae* p. 286, **spp. n.** Germany figs., DE MEIJERE Tijdschr. Ent. **68.**

Ochthiphila australis **sp. n.** Chile p. 111, BRÈTHES Rev. chil. Hist. nat. **28** 1924.

Phytagromyza centaureana **sp. n.** Germany p. 522, HERING Zs. Morph. Oekol. Tiere **4.**

Pseudoleucopis **gen. n.**, *magnicornis, flavitarsis* **spp. n.** Sydney p. 93, MALLOCH Proc. Linn. Soc. N.S.W. **50.**

Stomosis flavoscutellata, p. 88, *vittata* p. 89, **spp. n.** Victoria fig., MALLOCH t.c.

PHYTOMYZIDAE.

Phytomyza key to N. American p. 60, *affinalis* p. 84, *flavinervis, lactuca* p. 85, *melanella, minuta* p. 86, *nigriseta, plumiseta* p. 87, *subtenella, trivittata* p. 89, **spp. n.** N. America figs., FROST Cornell Univ. Agric. Expt. Sta. Mem. **78** 1924.—*P. alpigenae* p. 307, *tussilaginis* p. 308 Austria, *thalictricola* p. 309 [Germany ?] **spp. n.**, HENDEL Konowia **4.**—*P. anemones* p. 507, *albimargo* p. 508, *medicaginis* p. 510, *arnicae* p. 511, *veronicicola* p. 515, *digitalis* p. 519, *secalina* p. 520, *olgae* p. 527, **spp. n.** Germany figs., HERING Zs. Morp. Oekol. Tiere **4.**—*P. hoppi* p. 134, *lampsanae* p. 161, **spp. n.** Germany; *conyzae* Hendel (=*centaureae* Hering) p. 174, HERING Zs. wiss. Insektenbiol. **20.**—*P. lateralis* morphology and bionomics p. 735, SIMM Bull. intern. Acad. polon. ser. B **1924.**

HIPPOBOSCIDAE.

Hippobosca equina bionomics pp. 81–90, ROBERTS Ann. Trop. Med. & Parasit. **19.**—*H. camelopardalis* **sp. n.** E. Africa p. 466 fig., ROUBAUD Bull. Soc. Path. exot. **18.**

Lipoptena caprina [wrongly recorded as *Lynchia caprina*, Zool. Rec. 1921] **sp. n.** Palestine p. 122, AUSTEN Bull. Ent. Res. **12** 1921.

Lynchia Weyenbergh characters p. 266, *L.* Speiser nec Wey. see *Pseudolynchia* p. 271, BEQUAERT Psyche **32.**—*L. maura* anatomy p. 416 figs., FERRIS Phil. J. Sci. **27.**

Myiophthiria reduvioides anatomy p. 337 figs., FERRIS op. cit. **28.**

Ornitheza metallica anatomy p. 419 figs., FERRIS op. cit. **27.**

Ornithoctona characters p. 338, FERRIS op. cit. **28.**

Ornithoica characters p. 329, *promiscua* anatomy p. 331 figs., FERRIS t.c.

Ornithoponus characters, *sartus* **sp. n.** Philippines p. 333 figs., FERRIS t.c.

Pseudolynchia **n. n.** for *Lynchia* Speiser nec Weyenbergh with list of included spp. pp. 271–277, BEQUAERT Psyche **32.**

NYCTERIBIIDAE.

Revision of Australian Nycteribiidae, MUSGRAVE Rec. Austr. Mus. **14** pp. 289–300 2 pls.

Zoo-geographical & systematic notes on the Nycteribiidae of India, Ceylon & Burma, SCOTT Rec. Ind. Mus. **27** pp. 351–384.

Nycteribiidae of Hungary, keys, records, DUDICH Matm. Termt. Ert. Budapest **41** pp. 144–150.

Cyclopodia horsfieldi anatomy Philippines p. 413 figs., FERRIS Phil. J. Sci. **27.**

Neotripselia **subgen. n.** see *Tripselia.*

Nycteribia synonymy p. 290, *falcoz* p. 292, *brevicauda* p. 295, **spp. n.** Australia figs., MUSGRAVE Rec. Austr.

Mus. **14.**—*N.* (*Acrocholida*) *phillipsi* Ceylon p. 370, (*Stylidia*) *annandalei* India p. 377, **spp. n.** figs., SCOTT Rec. Ind. Mus. **27.**

Nycteribosca pretiosa **sp. n.** New Hebrides p. 224 figs., FALCOZ Bull. Mus. Paris **1924.**

Penicillidia jenynsi **var. n.** *indica* Ceylon p. 363, *peali* **sp. n.** Assam p. 366 figs., SCOTT Rec. Ind. Mus. **27.**

Tripselia (*Neotripselia* **subgen. n.**) *bouvieri* **sp. n.** p. 312 figs., FALCOZ Bull. Mus. Paris **1924.**

STREBLIDAE.

Revision of the Streblidae of the World with keys, KESSEL J. New York Ent. Soc. **33** pp. 11–33 4 pls.

Paradyschiria lineata **sp. n.** Cuba p. 27, id. t.c.

Speiseria **gen. n.** p. 19, *ambigua* **sp. n.** p. 20 Panama figs., id. t.c.

Trichobius major **var. n.** *quadrisetosus* no locality p. 15; *phyllostomae* Brazil p. 16, *sparsus* Panama, *truncatus* Dominica p. 17, **spp. n.** figs., id. t.c.

SIPHONAPTERA.

Key to world genera of Siphonaptera, FOX Insects and Diseases of Man 1925 p. 120.

Siphonaptera of Darfur, JORDAN Nov. Zool. **32** p. 113.

The Indian rat-fleas, with special reference to the identification of the "plague fleas," SINTON Ind. J. Med. Res. **12** pp. 471–478 figs.

Actenophthalmus **gen. n.** (near *Rhadinopsylla*) for *Ctenophthalmus heiseri* McCoy p. 121, FOX Ent. News **36.**

Adoratopsylla **gen. n.** for *bisetosa* **sp. n.** Brazil (type) & *antiquorum* Roths. p. 44, EWING J. Parasit. **12.**

Cediopsylla **gen. n.** type *simplex* Baker 1895, *inaequalis* **subsp. n.** *interrupta* California p. 103, JORDAN Nov. Zool. **32.**

Centetipsylla **gen. n.** for *Pulex madagascariensis* Roths. p. 99, JORDAN t.c.

Ceratophyllus waterstoni **n. n.** for *rothschildi* Waterston nec Rainbow, *latens*, *robustus* p. 105, *fotus* p. 107, *gladiolis* p. 108, *pansus*, *howelli* p. 109, *necopinus*, *sinomus*, *sibynus* p. 110 U.S.A., *piger* p. 105, *consobrinus*, *notabilis* p. 106 Africa, *melinus* no locality, *phillipsi* Ceylon p. 107, *isus* p. 110, *caedens* p. 104, *acerbus*, *diffinis* p. 111, *atrox* p. 112 Canada, **spp. n.** figs., JORDAN Nov. Zool. **32.**—*C. wickhami* new to Britain p. 163, DONISTHORPE Ent. Rec., London **37.**

Ctenocephalus arabicus Arabia p. 97, *crataepus* Kenya, *connatus* S. Africa **spp. n.**, *felis* **subspp. n.** *strongylus* p. 98 Kenya, *orientis* Ceylon p. 99 figs., JORDAN Nov. Zool. **32.**

Ctenophthalmus heiseri see *Actenophthalmus.*

Dermatophilus lagrangei **sp. n.** Shanghai p. 401 figs., ROUBAUD Bull. Soc. Path. exot. **18.**

Doratopsylla notes p. 43, key p. 45, *antiquorum* Roths. see *Adoratopsylla*, EWING J. Parasit. **12.**

Echidnophaga tarda Abyssinia p. 96, *perilis* W. Australia p. 97, **spp. n.** figs., JORDAN Nov. Zool. **32.**

Hectopsylla stomis **sp. n.** Argentina p. 96 fig., JORDAN t.c.

Hoplopsyllus glacialis **subsp. n.** *profugus* Turkestan p. 103, JORDAN t.c.

Pariodontis subjugis **sp. n.** Malay Penin. p. 103 fig., JORDAN t.c.

Procaviopsylla **gen. n.** type *isidis* Roths., *angolensis* **sp. n.** Angola p. 102 fig., JORDAN t.c.

Pulex madagascariensis see *Centetipsylla.*

Synosternus **gen. n.** type *pallidus* Tasch. p. 103, JORDAN t.c.

Trichopsylla matina **sp. n.** Pyrenees p. 103 fig., JORDAN t.c.

Xenopsylla hamula S. Africa p. 99, *versuta* W. Africa, *vexabilis* S. Australia p. 100, *humilis*, *difficilis*, *debilis* E. Africa p. 101, **spp. n.** figs., JORDAN t.c.

TRICHOPTERA.

Classified Catalogue of Trichoptera of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte no. **7** 1922 p. 74.

Ecology & respiration of Trichoptera, DODDS & HISAW Ecology **5** 1924 pp. 262–271 ; **6** pp. 380–390 figs.

Trichopterous larvae in the collection of the Oka Biological Station, LEPNEWA Arb. Biol. Oka-Sta. **3** pp. 121–132.

Trichoptera collected in Algeria by M. H. Gauthier and list of known N. African species, LESTAGE Bull. Soc. H. n. Afr. Nord **16** pp. 13–118.

Morphological and taxonomic notes on Trichoptera, keys to sub-families and genera, LESTAGE Bull. & Ann. Soc. ent. Belg. **65** pp. 35–44, 93–120.

Trichoptera of Arctic Ural, MARTYNOV Mém. Acad. imp. Sci. Russ. **28** no. 20 1916 21 pp. figs.

Affinity of Lepidoptera and Trichoptera, RIEL Ann. Soc. linn. Lyon **71** pp. 84–88.

Trichoptera of the Faroe Is., ULMER Ent. Medd. **14** pp. 431–440 1 fig.

Trichoptera of Germany, morphology, biology, &c., ULMER Biol. Tiere Deutschl. Lief. 13 Teil **36** 1925 113 pp. 78 figs.

Trichoptera of Bialowies Forest, Poland, ULMER Abh. Bayer. Akad. Wiss. **Suppl.** pp. 339–342.

†Amagupsychinae **subfam. n.** p. 3, COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

†*Amagupsyche* **gen. n.** p. 3, *perlata* **sp. n.** Siberia p. 4 fig., COCKERELL t.c.

Apatania muliebris in Britain p. 130, MORTON Ent. Mo. Mag. **61**.

Badallus **gen. n.** (Hydropsychidae), *argentinus* **sp. n.** Argentine p. 21 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.

Banyallarga **gen. n.** (Hydropsychidae), *testacea* p. 78, *crenata* p. 79, **spp. n.** Colombia figs., NAVÁS op. cit. **2** 1916.

Chaetopterygopsis mclachlani **subsp. n.** *zaitzewi* Tobolsk Govt. p. 16 figs., MARTYNOV Mém. Acad. imp. Sci. **28** no. 20 1916.

Chathamia **gen. n.** (Rhyacophilidae) p. 279, *brevipennis* **sp. n.** p. 280 Chatham Is. figs., TILLYARD Rec. Canterbury Mus. **2**.

Cyrnus microdiscatus **sp. n.** Siberia p. 88 fig., MARTYNOV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3 1924.

Diplectrona fonti **sp. n.** Barcelona p. 31 figs., NAVÁS Publ. Junta Cièn. Nat. **4** no. 10 1924.

Dolophilus chilensis **sp. n.** Chile p. 10 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.

Ecnomus viganus **sp. n.** Luzon p. 17, NAVÁS op. cit. **6** 1923.

Goera sajanensis **sp. n.** Siberia p. 103 figs., MARTYNOV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3 1924.

Hemileptocerus **gen. n.** (Leptoceridae) p. 55, *gregarius* **sp. n.** Sudan p. 56 fig., ULMER Mitt. münchn. ent. Ges. **12** 1922.

Hyalopsyche palpata redescribed p. 48 figs., ULMER Mitt. münchn. ent. Ges. **12** 1922.

Hydrobiosis lindsayi **sp. n.** Chatham Is. p. 277 figs., TILLYARD Rec. Canterbury Mus. **2**.

Hydropsyche kozhantschikovi **sp. n.** Siberia p. 87 fig., MARTYNOV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3 1924.—*H. volitans* **sp. n.** Barcelona p. 30 figs., NAVÁS Publ. Junta Cièn. Nat. **4** no. 10 1924.—*H. faurai* **sp. n.** Philippines p. 21 figs., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.—*H. modesta* **sp. n.** Asia Minor p. 211 fig., NAVÁS Ent. Mitt. **14**.

Hydropsychodes madagassa **sp. n.** Madagascar p. 27 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

†*Indusia comminuta, sequoiae* **spp. n.** Siberia p. 4 figs., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Leptocella muhni **sp. n.** Argentina p. 68 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.—*L. candida* **sp. n.** Chile p. 23, NAVÁS op. cit. (2) **6** 1923.

Leptocerus furcifer **sp. n.** Madagascar p. 24 figs., NAVÁS t.c.—*L. spinosissimus* **sp. n.** Kamerun p. 53 fig., ULMER Mitt. münchn. ent. Ges. **12** 1922.

Leptonema nygmosum p. 65, *naevosum* p. 66, **spp. n.** Colombia figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

†*Limnephilus recultus* **sp. n.** Siberia p. 4, COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Macronema lacroixi **sp. n.** Madagascar p. 26 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Micrasema sibiricum **sp. n.** Siberia p. 105 figs., MARTYNOV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3 1924.

Molanna submarginalis **subsp. n.** *caudata* Siberia p. 101 figs., MARTYNOV t.c.

Mystacides dentata p. 89, *bifida* p. 92, **spp. n.** Siberia figs., MARTYNOV t.c.

Mystrophora intermedia new to Britain p. 130, MORTON Ent. Mo. Mag. **61**.

Notanatolica luzonensis **sp. n.** Luzon p. 16, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.—*N. magna* Groote Eylandt p. 44, TILLYARD Rec. S. Aust. Mus. **3**.

Oecetis mutila **sp. n.** Argentina p. 22, NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.—*O. setifera* p. 59, *maculipennis* p. 61 **12** 1922, *gradata* p. 9, *appendiculata* p. 11 **13** 1923 **spp. n.** Sudan figs., ULMER Mitt. münchn. ent. Ges.—*O. chathamensis* **sp. n.** Chatham Is. p. 283 figs., TILLYARD Rec. Canterbury Mus. **2**.

Oligoplectrodes schnitnikovi **sp. n.** Siberia p. 96 fig., MARTYNOV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3 1924.

Parasetodes sudanensis **sp. n.** Sudan p. 57 fig., ULMER Mitt. münchn. ent. Ges. **12** 1922.

Philarctus rhomboidalis **sp. n.** Siberia p. 94 fig., MARTYNOV Jahrb. Mart. Staatsmus. Minussinsk **2** no. 3 1924.

†*Phryganea lavrushini* **sp. n.** Siberia p. 2 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Platyphylax variabilis **sp. n.** (with **f. n.** *frigoris* p. 15) Siberia p. 10 figs., MARTYNOV Mém. Acad. imp. Sci. **28** no. 20 1916.

Protomacronema pellucidum **sp. n.** Madagascar p. 26 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Psychomyiodes **gen. n.** (Psychomyidae) p. 50, *africana* **sp. n.** Kamerun p. 52 figs., ULMER Mitt. münchn. ent. Ges. **12** 1922.

Rhyacophila gigantea **sp. n.** Samarkand p. 20, NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Rhyacophylax chilensis **sp. n.** Chile p. 23, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Sericostoma cristatum **sp. n.** Barcelona p. 27 figs., NAVÁS Publ. Junta Cièn. Nat. **4** no. 10 1924.

Setodellina brunnescens **sp. n.** Sudan p. 15 fig., ULMER Mitt. münchn. ent. Ges. **13** 1923.

Tinodes muticus **sp. n.** Barcelona p. 28 fig., NAVÁS Publ. Junta Cièn. Nat. **4** no. 10 1924.

Trichosetodes semibrunnea **sp. n.** Sudan p. 13 fig., ULMER Mitt. münchn. ent. Ges. **13** 1923.

Triplectides columbica **sp. n.** Colombia p. 67 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.—*T. jaffueli* **sp. n.** Chile p. 9 figs., NAVÁS op. cit. **4** 1918.

†*Ulmeriella* Meunier transferred to Isoptera p. 21 figs., COCKERELL & SNYDER Proc. Biol. Soc. Wash. **38**.

Wormaldia algirica **sp. n.** Algeria p. 14, LESTAGE Bull. Soc. H. n. Afr. Nord **16**.

NEUROPTERA.

Reflex & instinct in Myrmeleonidae, BIERENS DE HAAN Biol. Zentralbl. **44** 1924 p. 657.

Classified catalogue of Neuroptera of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte no. **7** 1922 pp. 71–73 fig.

The Myrmeleonidae of Bulgaria, Thrace and Macedonia, DIMITROWA SitzBer. Ges. natf. Freunde **1923** 1925 pp. 136–140.

Notes & synonymy in Neuroptera, ESBEN-PETERSEN Ann. Mag. N. H. (9) **15** pp. 334–341 figs.

Notes on Leiberg's article on ant-lions, GRÜTZNER Ent. Anz. **5** p. 27.

Notes on Japanese Mantispidae with special reference to morphological characters, KUWAYAMA J. Coll. Agric. Hokkaido Imp. Univ. **15** pp. 237–266 figs.

Morphological and ecological studies on the eggs of Chrysopidae, KUWAYAMA Dobuts. Zasshi **36** 1924 pp. 1–30.

Formosan Chrysopidae and notes on the wing venation, KUWAYAMA Trans. Nat. Hist. Soc. Formosa ~~18~~ 1924 reprint 15 pp. 7 figs.

Neuropterous insects of South Saghalien, KUWAYAMA Trans. Sapporo Nat. Hist. Soc. **9** 1924 pp. 93–140 5 figs.

Note on the eggs of Chrysopids, LACROIX Bull. Soc. ent. Fr. **1925** pp. 227–232.

Auditory hairs in Neuroptera, LUNDBLAD Ent. Tidskr. **46** pp. 96–101 7 figs.

The Neuroptera of the Iberian Peninsula, with keys & new tribes of Hemerobiidae pp. 91–96, NAVÁS Mem. Soc. Ibér. Cien. Nat. **4** 1924 pp. 1–150 figs.

Catalonian Neuroptera, NAVÁS Entom. de Catalunya 1924 270 pp. 113 figs., 2 pls.

The Dilaridae of the Paris Museum, NAVÁS Bull. Mus. Hist. nat. Paris **1925** pp. 188–189.

Revision of Rhaphidioptera of France, NAVÁS C.R. Assoc. franç. Avanc. Sci. **47** (1923) 1924 pp. 580–585 figs.

Rhaphidioptera of France, NAVÁS Bol. Soc. Ibér. Cienc. Nat. **24** pp. 41–48 4 figs.

Some Neuroptera of Lake George, NEEDHAM Ent. News **36** pp. 115–116.

Biology of Rhaphidiidae, RIMSKI-KORSAKOV Trans. 3rd All-Russ. Entomo-Phytopath. Meeting Petrograd 18–25 December 1921 **1922** pp. 36–43 figs.

Neuroptera of Kansas, SMITH Bull. Brooklyn Ent. Soc. **20** pp. 166–170.

Biological notes on antlions, STÄGER Biol. Zentralbl. **45** p. 65.

Neuroptera from Groote Eylandt, TILLYARD Rec. S. Aust. Mus. **3** p. 43.

Biology & morphology of Neuroptera, WITHYCOMBE Trans. Ent. Soc. Lond. **1924** pp. 303–407 figs.

A contribution towards a monograph of the Indian Coniopterygidae, WITHYCOMBE Mem. Dept. Agric. India **9** pp. 1–19 figs.

Allocormodes maynei **sp. n.** Belgian Congo p. 124, NAVÁS Rev. zool. afr. **13.**

Ancylopteryx scioptera **sp. n.** Oceania p. 214, NAVÁS Mem. Pont. Acc. n. Linc. (2) **7** 1924.—*A. collarti* **sp. n.** Belgian Congo p. 568 fig., NAVÁS Ann. Soc. sci. Brux. C.R. **44.**

Ascalaphus weelei **sp. n.** Italy p. 566 fig., NAVÁS t.c.—*A. libelluloides* notes pp. 82–84, ŠÁMAL Časopis **21** 1924.

Avia canosa **sp. n.** Ivory Coast p. 90 fig., NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.

Bestreta **gen. n.** (Hemerobiidae), *iaponica* **sp. n.** Japan p. 222, NAVÁS op. cit. (2) **7** 1924.

Boriomyia betulina Strøm (= *Hemerobius betulinus* Strøm & *H. nervosus* F.) p. 54, ESBEN-PETERSEN Norsk. Ent. Tidsskr. **2.**

Brachyplectron **gen. n.** (near *Nelees*) *capense* **sp. n.** Stellenbosch p. 336 fig., ESBEN-PETERSEN Ann. Mag. N. H. (9) **15.**

Campylophlebia magnifica ♂ described p. 125, NAVÁS Rev. zool. afr. **13.**

Chloronia mirifica **sp. n.** Costa Rica p. 17 fig., NÁVAS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Chrysocerca Weele (= *Nineta* Navás) p. 571, LACROIX C.R. Assoc. franç. Avanc. Sci. **47** (1923) 1924.

†*Chrysoleonites* **gen. n.** (Prohemerobiidae) p. 591, *ocellatus* **sp. n.** p. 592 Jurassic Turkestan figs., MARTYNOV Bull. Acad. Sci. Russ. **19.**

Chrysopa early stages p. 153 figs., LACROIX Ann. soc. linn. Lyon **70** 1924.—*C. durandi* **sp. n.** Morocco p. 262, LACROIX Bull. Soc. Hist. nat. Afr. N. **16.**—*C. inconspicua* p. 87, *puparia* p. 88, *incongrua*, *oralis* p. 97, *vuilleti* p. 98, **spp. n.** Africa figs., NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.—*C. unicolor* Philippines p. 17, *proxima* p. 18, *cosmia* p. 19 Spain, **spp. n.** figs., NAVÁS op. cit. (2) **4** 1918.—*C. herasi* **sp. n.** (with **var. n.** *oppleta*) Philippines p. 7, NAVÁS op. cit. (2) **6** 1923.—*C. exterior* **n. n.** for *externa* Navás nec Esb. Pet. p. 12, NAVÁS Mem. R. Ac. Ci. Barcel. **19** no. 5.—*C. steinbachi* **sp. n.** Argentina p. 567, NAVÁS Ann. Soc. sci. Brux. C.R. **44.**—*C. agatha* p. 64 *cornuta*, *instabilis* p. 65, **spp. n.** Brazil fig., NAVÁS Mitt. münchn. ent.

Ges. **15.**—*C. externa* **var. n.** *parajoni* p. 85, *exterior* **n. n.** for *extranea* Nav. nom. praeocc. p. 86, *jacobaea* **sp. n.** p. 87 Cuba, NAVÁS Bol. Soc. ent. España **8.**—*C. corsica* see *Eurochrysa.*

Chrysotropia alba L. (= *lacroixi* Navás) p. 573, LACROIX C.R. Assoc. franç .Avanc. Sci. **47** (1923) 1924.

Colinus **gen. n.** (Myrmeleonidae), *philippinus* **sp. n.** Philippines p. 9, NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Coniocompsa indica **sp. n.** Pusa p. 7 figs., WITHYCOMBE Mem. Dept. Agric. India **9.**

Coniopteryx pygmaea **ff. n.** *interna, devia*; *explecta* **n. n.** for *transversalis* Lacroix nec End. France p. 75 figs., LACROIX Bull. Soc. Étude Sci. nat. Elbeuf **42** (1923) 1924.—*C. tineiformis* **var. n.** *xaveriana* Spain p. 20, NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.—*C. exigua* p. 12, *ambigua, obtusa* p. 13, *pusana* p. 14, **spp. n.** India, *cerata* ♂ figured & further described p. 15 figs., WITHYCOMBE Mem. Dept. Agric. India **9.**

Conwentzia inverta **sp. n.** Pusa p. 10 figs., WITHYCOMBE Mem. Dept. Agric. India **9.**

Cordeses **gen. n.** (Myrmeleonidae) p. 94, *oblitus* **sp. n.** Obok (Africa) p. 95 fig., NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.

Creagris pauperata **sp. n.** Sahara (Atlantic Coast) p. 108, NAVÁS t.c.

Cueta indefinita p. 103, *externa* p. 104, **spp. n.** Madagascar, NAVÁS t.c.—*C. maindroni* **sp. n.** India p. 36, NAVÁS op. cit. (2) **6** 1923.

Dicolpus congensis **sp. n.** Congo p. 11, NAVÁS op. cit. (2) **6** 1923.

†*Dilarites* **gen. n.** (Prohemerobiidae), *incertus* **sp. n.** Jurassic, Turkestan p. 596 fig., MARTYNOV Bull. Acad. Sci. Russ. **19.**

Disparomitus maynei, schoutedeni **spp. n.** Belgian Congo p. 126, NAVÁS Rev. zool. afr. **13.**

Distoleon lineatus in Corea p. 82, KUWAYAMA Insect World **28** 1924.

Doeringia **gen. n.** (Chauliodidae) p. 207, *christel* **sp. n.** Costa Rica p. 209 fig., NAVÁS Ent. Mitt. **14.**

Eumantispa taiwanensis **sp. n.** Japan p. 258, KUWAYAMA J. Coll. Agric. Hokkaido Imp. Univ. **15.**

Eurochrysa **gen. n.** (Chrysopidae) for *Chrysopa corsica* Hagen p. 67, ESBEN-PETERSEN Konowia **4.**

Folla **gen. n.** (Myrmeleonidae) p. 130, *elisabethana* **sp. n.** Belgian Congo p. 131, NAVÁS Rev. zool. afr. **13.**

Formicaleo jousseaumei Africa p. 86, *tholloni* Congo p. 105, *pictiventris* Madagascar p. 106, **spp. n.**, NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.—*F. infectus* **sp. n.** Africa p. 55, NAVÁS op. cit. (2) **2** 1916.—*F. masi* **sp. n.** Philippines p. 6, NAVÁS op. cit. (2) **4** 1918.

Gepus invisus further description p. 338 figs., ESBEN-PETERSEN Ann. Mag. N. H. (9) **15.**

Grocus **gen. n.** (Myrmeleonidae) *gerstaeckeri* Australia p. 7, *genini* Mexico p. 8, **spp. n.** fig., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Gymnoleon macer **sp. n.** Obok p. 107, NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.

Haarupiella gradata **sp. n.** Brazil p. 66, NAVÁS Mitt. münchn. ent. Ges. **15.**

Helicomitus salvatoris **sp. n.** Punjab p. 220, NAVÁS Mem. Pont. Acc. n. Linc. (2) **7** 1924.

Hemerobius baguiensis **sp. n.** Philippines p. 14, NAVÁS op. cit. (2) **6** 1923.—*H. ricarti* **sp. n.** Philippines p. 13 fig., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.— *H. betulinus, nervosus* see *Boriomyia betulina.*

Heoclisis **gen. n.** (Myrmeleonidae) p. 12, *sinensis* **sp. n.** E. China p. 13, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

†*Inocellia exusta* **sp. n.** Florissant p. 295 fig., COCKERELL & CUSTER Entomologist **58.**

†*Kirgisella* **gen. n.** (Prohemerobiidae) p. 594, *ornata* **sp. n.** p. 595 Jurassic, Turkestan fig., MARTYNOV Bull. Acad. Sci. Russ. **19.**

Lacroixia **gen. n.** (Myrmeleonidae) p. 212, *sibirica* **sp. n.** Siberia p. 213, NAVÁS Mem. Pont. Acc. n. Linc. (2) **7** 1924.

Lemolemus porteri **sp. n.** Chile p. 13, NAVÁS Rev. chil. Hist. nat. **28** 1924.

Leucochrysa ignatii **sp. n.** Argentina p. 20, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.—*L. delicata* **sp. n.** Costa Rica p. 12 fig., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Malacomyza terminalis see *Niphadicera.*

Mantispa formosana **var. n.** *bella* Japan p. 256 fig., KUWAYAMA J. Coll. Agric. Hokkaido Imp. Univ. **15**.—*M. zonata* **sp. n.** Congo p. 21 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.—*M. zonaria* **sp. n.** Africa p. 571 fig., NAVÁS Ann. Soc. sci. Brux. C.R. **44**.

Mantispilla elpidica **sp. n.** Africa p. 88, NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.—*M. moucheti* p. 572, *hilaris* p. 573, **spp. n.** Belgian Congo fig., NAVÁS Ann. Soc. sci. Brux. C.R. **44**.—*M. burgeoni* **sp. n.** Belgian Congo p. 77 fig., NAVÁS Brotéria **22**.

†Mesoraphidiidae **fam. n.** Jurassic, Turkestan p. 234 figs., MARTYNOV Bull. Acad. Sci. Russ. **19**.

†*Mesoraphidia* **gen. n.** (Mesoraphidiidae) p. 235, key, type *grandis* p. 236, *similis* p. 238, *elongata* p. 240, *parvula* p. 241, *inaequalis* p. 569, **spp. n.** Jurassic, Turkestan figs., MARTYNOV t.c.

Micromus carpentieri **sp. n.** Belgian Congo p. 57 fig., LESTAGE Rev. zool. afr. **13**.—*M. lanceolatus* venation p. 120, LESTAGE Bull. & Ann. Soc. ent. Belg. **65**.—*M. insulanus* **sp. n.** Mauritius p. 76 fig., NAVÁS Brotéria **22**.

Mochus **gen. n.** (near *Creoleon*, Myrmeleonidae) p. 206, *capensis* **sp. n.** Cape Colony p. 207 fig., NAVÁS Ent. Mitt. **14**.

Morter viganus **sp. n.** Philippines p. 37, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Myrmecaelurus subcostalis p. 102, *dioristus* p. 103, **spp. n.** Africa, NAVÁS op. cit. **32** 1914.

Myrmeleon much synonymy pp. 337, 339, ESBEN-PETERSEN Ann. Mag. N. H. (9) **15**.—*M. sciopterus* **sp. n.** Damaraland p. 93 fig., NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.—*M. brachygaster* **sp. n.** Tenimber p. 211, NAVÁS op. cit. (2) **7** 1924.—*M. alternans* see *Neseurus.*

Nelees mayeri p. 83, *impar* p 84, *guttatus* p. 85, **spp. n.** Africa fig., NAVÁS op. cit. **32** 1914.

Neleoma **gen. n.** (Myrmeleonidae) p. 95, *striolatum* **sp. n.** Gold Coast p. 96, NAVÁS op. cit. **32** 1914.

Nenus luzonensis **sp. n.** Philippines p. 8, NAVÁS op. cit. (2) **4** 1918.

Neseurus **gen. n.** (Myrmeleonidae) for *Myrmeleon alternans* Brull. p. 53, NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Nimboa basipunctata p. 10, *immaculata* p. 11, **spp. n.** India figs., WITHYCOMBE Mem. Dept. Agric. India **9**.

Nineta see *Chrysocerca.*

Niphadicera **gen. n.** (Coniopterygidae) for *Malacomyza terminalis* Banks ♂ p. 6, WITHYCOMBE Mem. Dept. Agric. India **9**.

Nobra silvaticus p. 6, *riparius* p. 16, **spp. n.** S. America figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.

Nohoveus oblitus **sp. n.** Central Asia p. 10 fig., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Nothochrysa aethiopiae **sp. n.** Abyssinia p. 262, LACROIX Bull. Soc. Hist. nat. Afr. N. **16**.

Notiobiella galloisi **sp. n.** Japan p. 221, NAVÁS Mem. Pont. Acc. n. Linc. (2) **7** 1924.

Nousera **gen. n.** (Ascalaphidae), *gibba* **sp. n.** p. 5 Indo-China figs., NAVÁS op. cit. (2) **6** 1923.

Novulga **gen. n.** (Myrmeleonidae), *mexicana* **sp. n.** Mexico p. 11 figs., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Nyutus **gen. n.** (Myrmeleonidae), *lombardi* **sp. n.** Congo p. 54, NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Obus further description p. 336, ESBEN-PETERSEN Ann. Mag. N. H. (9) **15**.

Osmylus chrysops early stages p. 226 figs., LESTAGE Ann. Biol. lac. **10** 1921.

Palparellus dubiosus **sp. n.** Africa p. 5 fig., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Palpares berlandi p. 81, *aquinatis* p. 99 Africa, *schrammi* Madagascar p. 100 **spp. n.**; *nigrescens* **var. n.** *rupta* Ivory Coast p. 82 figs., NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.—*P. caffer* **var. n.** *audeoudi* p. 52; *dispar* **var. n.**

sociata p. 53 Africa figs., NAVÁS op. cit. (2) **2** 1916.—*P. carpentieri* **sp. n.** Transvaal p. 4 figs., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5. — *P. schoutedeni* **sp. n.** Belgian Congo p. 128, NAVÁS Rev. zool. afr. **13.**

Pamema insperatus **sp. n.** Cape Colony p. 206 fig., NAVÁS Ent. Mitt. **14.**

Polystoechotes early stages & structure p. 187 figs., LESTAGE Ann. Biol. lac. **14.**—*P. gazullai* **sp. n.** Chile p. 14, NAVÁS Rev. chil. Hist. nat. **28** 1924.

Porter **gen. n.** (Hemerobiidae) p. 15 *discolor* **sp. n.** Chile p. 16, NAVÁS Rev. chil. Hist. nat. **28** 1924.

Protohermes cavaleriei p. 80, *weelei* p. 81, **spp. n.** China, NAVÁS Brotéria **22.**

Semidalis aleurodiformis **f. n.** *intergeriva* France p. 79 fig., LACROIX Bull. Soc. Étude Sci. nat. Elbeuf **42** (1923) 1924.—*S. candida* **sp. n.** Canary Is. p. 56 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.— *S. fletcheri* p. 16, *alpina* p. 17, *poincianae* p. 18, **spp. n.** India figs., WITHYCOMBE Mem. Dept. Agric. India **9.**

Sialis lutaria oviposition, p. 221, LESTAGE Ann. Biol. lac. **10** 1921.

Sisyra vigana **sp. n.** Lùzon p. 8, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Spilosmylus annulatus **sp. n.** Congo p. 15, NAVÁS t.c.

Stephanolasca alfierii **sp. n.** Egypt p. 34 fig., NAVÁS Bull. Soc. R. ent. Egypte **1925.**

Stigmachrysa **gen. n.** (Chrysopidae) p. 570, *kervillei* **sp. n.** p. 569 Java fig., NAVÁS Ann. Soc. sci. Brux. C.R. **44.**

Suhpalacsa lemoulti **sp. n.** Abyssinia p. 260, LACROIX Bull. Soc. Hist. nat Afr. N. **16.**—*S. fuscostigma* **sp. n.** Palestine p. 32 fig., NAVÁS Bull. Soc. R. ent. Egypte **1925.**

Suphalomitus salvazanus **sp. n.** Indo-China p. 4 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Syngenes dolichocercus **sp. n.** Madagascar p. 92, NAVÁS op. cit. **32** 1914.—*S. dolichocercus* ♀ described p. 129, NAVÁS Rev. zool. afr. **13.**

Talosus **gen. n.** (Myrmeleonidae), *oberthuri* **sp. n.** Himalayas p. 35 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Tomatares clavicornis **var. n.** *babaulti* Punjab p. 217 fig., NAVÁS op. cit. (2) **7** 1924.

Tricholeon **gen. n.** (Myrmeleonidae) p. 334, *hirtellus* **sp. n.** S. Africa p. 335 fig., ESBEN-PETERSEN Ann. Mag. N. H. (9) **15.**

Vaja **gen. n** (Hemerobiidae) *tumida* **sp. n.** Java p. 14, NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Vellasa **gen. n.** (Myrmeleonidae), *maunieri* **sp. n.** Annam p. 218, NAVÁS Mem. Pont. Acc. n. Linc. (2) **7** 1924.

MECOPTERA.

The Mecoptera of Korea, OKAMOTO Bull. Agric. Expt. Sta. Govt.-Gen. Chosen **2** pp. 17–24 figs.

Mecoptera of Kansas, SMITH Bull. Brooklyn Ent. Soc. **20** p. 171.

Bittacus lachlani **sp. n.** E. Africa p. 78 fig., NAVÁS Brotéria **22.**—*B. oreinus* **sp. n.** Africa p. 89 fig., NAVÁS Mem. Pont. Acc. n. Linc. **32** 1914.

†*Dinopanorpa* **gen. n.** *megarche* **sp. n.** Miocene, Siberia p. 2 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.

† *Orthophlebioides obscurus*, *phryganoides* **spp. n.** Turkestan p. 760 figs., MARTYNOV Bull. Acad. Sci. Russ. **19.**

Panorpa coreana p. 19, *kongosana* p. 21, *komaensis* p. 22, **spp. n.** Korea figs., OKAMOTO Bull. Agric. Expt. Sta. Govt.-Gen. Chosen **2.**—*P. communis* biology pp. 27–37 figs., SHIPEROVITSH Rev. russe Ent. **19.**

HEMIPTERA.

Hemiptera new to Guernsey, CHINA Rept. & Trans. Soc. Guern. **1924** 1925 pp. 307–308.

Catalonian Hemiptera, general notes, classification, families, CODINA Entom. de Catalunya [1923] 150 pp. 12 figs. 4 pls.

Abnormal antennae in Hemiptera, ESAKI Zs. wiss. Insektenbiol. **20** pp. 32–35 figs.

Hemiptera of S. W. Africa, HESSE Ann. S. Afr. Mus. **23** pp. 1–190 8 pls.

Ecology and biology of Hemiptera, HOFMÄNNER Rev. suisse Zool. **32** pp. 181–206.

Aquatic Hemiptera taken in Cherokee County, Kansas, and other new records from the State, HUNGERFORD & BEAMER Ent. News **35** pp. 262–266, 295–299.

Notes on Hemiptera, MACGILLAVRY Ent. Ber. **6** pp. 342–346.

Observations on some Rhynchota from N. India, MISRA Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 300–317 figs.

Hemiptera of the Chatham Is., MYERS Rec. Canterbury Mus. **2** 1924 pp. 171–185 13 figs.

Notes on some Hemiptera in Br. Columbia, corrections to previous list, PARSHLEY Proc. Ent. Soc. Br. Columbia **18** 1921 p. 13.

Morphology of male genitalia in Rhynchota, PRUTHI Trans. Ent. Soc. Lond. **1925** pp. 127–254 figs.

Fauna and biology of Rhynchota in Volga Station, SIROTININA Arb. Biol. Wolga-Sta. **5** 1914 pp. 335–367 1 chart.

Heteroptera.

On the " annectant bugs " of Messrs. McAtee & Malloch, BERGROTH Bull. Brooklyn Ent. Soc. **20** pp. 159–164.

Contributions to knowledge of some West-European Heteroptera, chiefly Corixidae, JACZEWSKI Ann. Zool. Mus. Polon. Hist. Nat. **4** pp. 126–140 figs.

Hemiptera-Heteroptera of Polar Ural and Tundra of Kara, KIRITCHENKO Mém. Acad. imp. Sci. **28** no. 19 11 pp. figs.

Hemiptera-Heteroptera of Åland Is., LINDBERG Medd. Soc. Faun. Fl. Fenn. **46** 1921 pp. 32–55.

A bibliography of the N. American Hemiptera-Heteroptera, PARSHLEY Smith Coll., Northampton, Mass., 1925 ix & 252 pp.

Notes on myrmecophilous Heteroptera, PÉNEAU Bull. Soc. Sci. nat. Nantes (4) **4** 1924 pp. 64–72 1 pl. 1 fig.

Anatomy & biology of aquatic Hemiptera of North-west France, POISSON Bull. biol. France Belgique **58** 1924 p. 49 figs.

Hemiptera Heteroptera new to the French fauna, POISSON Bull. Soc. ent. Fr. **1925** pp. 39–43, 196–198 fig.

Some aquatic Hemiptera from Banyuls (Pyrenees), POISSON Bull. Soc. ent. Fr. **1925** pp. 270–273.

Hemiptera-Heteroptera collected in Macedonia, ROYER Bull. Mus. Paris **1924** pp. 483–489 1 map.

Synopsis of the Hemiptera-Heteroptera of Portugal, de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. i no. **1** 1924 & 1925 pp. 1–67 figs.

Notes on the classification of some species of Hemiptera-Heteroptera from Portugal, de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. i no. **5** pp. 5–42 figs.

Illustrated keys to Hemiptera-Heteroptera of Germany, STICHEL Illustr. Bestimm. deutsch. Wanzen **1–3** pp. 1–90 248 figs.

Norwegian Hemiptera-Heteroptera, WARLOE Forh. Videnskabsselsk. 1924 no. 4 pp. 1–41.

CYDNIDAE.

Cydnus hirsutus **sp. n.** S. W. Africa p. 14, HESSE Ann. S. Afr. Mus. **23.**

Galgupha ovalis **sp. n.** Georgia p. 62, HUSSEY J. New York Ent. Soc. **33.**

Geocnethus cavicollis further description p. 63, HUSSEY t.c.

Lactistes falcipes **sp. n.** S. W. Africa p. 12, HESSE Ann. S. Afr. Mus. **23.**

PENTATOMIDAE.

Reproductive organs in Pentatomidae, RIBAUT Bull. Soc. Hist. nat. Toulouse **51** 1923 pp. 183–184 2 figs.

Aeliomorpha petulca, p. 25, *semiviridis* p. 27, **spp. n.** S. Africa, HESSE Ann. S. Afr. Mus. **23.**

Antestia lineaticollis bionomics 53 pp. figs., ANDERSON Br. E. Afr. Dept. Agric. Div. Ent. Bull. **1** 1919.

Apateticus crocatus early stages pp. 21–27 figs., DOWNES Proc. Ent. Soc. Br. Columbia **16** 1921.

Bolbocoris parmatus **sp. n.** Ovamboland, p. 9, HESSE Ann. S. Afr. Mus. **23.**

Carpocoris fuscispinus notes on varieties with key pp. 7–11 figs., de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. i no. **4.**

Caystrus mertoni **sp. n.** Kei Is. p. 307, HORVATH Abh. Senckenberg. nat. Ges. **35** 1919.

Coptosoma rufiplaga **sp. n.** Ovamboland p. 3, HESSE Ann. S. Afr. Mus. **23.**

Dismegistus rufomarginatus **sp. n.** Damaraland p. 35, HESSE t.c.

Epagathus chapana see *Palomena unicolorella.*

Erthesina ilia **sp. n.** Yunnan p. 452 figs., CHINA Ann. Mag. N. H. (9) **16.**

Eurydema lituriferum **var. n.** *yunnanensis* Yunnan p. 454, CHINA t.c.—*E. pulchrigena* **sp. n.** Turkestan p. 1, KIRITSHENKO Rev. russe Ent. **19.**

Eusthenes philoctetes **sp. n.** Yunnan p. 455 fig., CHINA Ann. Mag. N. H. (9) **16.**

Eysarcoris nigripectus **sp. n.** Damaraland p. 29, HESSE Ann. S. Afr. Mus. **23.**

Graphosoma semipunctatum **ab. n.** *uniseriatum* Spain p. 517, FUENTE Bol. R. Soc. esp. Hist. nat. **25.**

Holcogaster fibulata **subsp. n.** *meridionalis* Portugal p. 13 fig., de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. i no. **2** 1924.

Memmia demissa **sp. n.** Madagascar p. 188, HORVÁTH Ann. Mus. Hung. **21** 1924.

Palomena unicolorella Kirk. (= *Epagathus chapana* Dist.) p. 453, CHINA Ann. Mag. N. H. (9) **16.**

Schizops otjimbora **sp. n.** Ovamboland p. 43, HESSE Ann. S. Afr. Mus. **23.**

Sciocoris galapagoënsis **sp. n.** Galapagos Is. p. 88, BUTLER Proc. Zool. Soc. **1877.**

Stenozygum sanguineiventris **sp. n.** Damaraland p. 32, HESSE Ann. S. Afr. Mus. **23.**

Tachengia **gen. n.** p. 450, *ascra* **sp. n.** Yunnan p. 451 figs., CHINA Ann. Mag. N. H. (9) **16.**

Uhlunga typica **var. n.** *cornuta* Ovamboland p. 20, HESSE Ann. S. Afr. Mus. **23.**

Urostylis agna **sp. n.** Yunnan p. 457 fig., CHINA Ann. Mag. N. H. (9) **16.**

Vanduzeeina californica California p. 391, *borealis* Br. Columbia p. 392, **spp. n.**, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Veterna imitatrix **sp. n.** Damaraland p. 23, HESSE Ann. S. Afr. Mus. **23.**

COREIDAE.

Acanthotyla aruana **sp. n.** Aru Is. p. 310, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.

Agraphopus australis **sp. n.** S. Africa p. 61, HESSE Ann. S. Afr. Mus. **23.**

Chorosoma schillingii wing muscles pp. 4–7 fig., POISSON C.R. Soc. Biol. **92.**

Cletus respersus S. Africa p. 52, *spicatus* Damaraland p. 53, **spp. n.**, HESSE Ann. S. Afr. Mus. **23.**—*C. emarginatus* **sp. n.** Aru Is. p. 310, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.

Cydamus abditus **sp. n.** Arizona p. 394, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Eohydara **gen. n.** (near *Hydara*) p. 83, *fulviclava* **sp. n.** Indo-China p. 84, BERGROTH Konowia **4.**

Harmostes disjunctus **sp. n.** (=*serratus* Heidemann nec F.) Galapagos Is. p. 241, BARBER Zoologica **5.**

Homoeocerus tigrinus p. 46, *trabeatus* p. 47, *ventricosus* p. 48, **spp. n.** Ovamboland, HESSE Ann. S. Afr. Mus. **23.**

Hydara orientalis see *Hydarella.*

Hydarella **gen. n.** for *Hydara orientalis* Dist. p. 82, BERGROTH Konowia **4.**

Leptoglossus oppositus bionomics p. 148, CHITTENDEN Bull. Brooklyn Ent. Soc. **20.**

Margus repletus **sp. n.** California p. 393, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Mictis camelina see *Ochrochira.*

Ochrochira, Mictis camelina Kirit. transferred to, p. 459, CHINA Ann. Mag. N. H. (9) **16.**

Prionotylus brevicornis **var. n.** *obsoletus* Portugal p. 15, de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. i no. **5.**

Procamptus **gen. n.** (Alydinae) p. 86, *segrex* **sp. n.** Philippines p. 87, BERGROTH Konowia **4.**

Protenor australis **sp. n.** Florida p. 64 figs., HUSSEY J. New York Ent. Soc. **33.**

Vilga penningtoni **sp. n.** Argentina p. 88, BERGROTH Konowia **4.**

ARADIDAE, DYSODIIDAE.

Aradus cinnamomeus life history pp. 644–693 figs., STRÁWINSKI Roczn. Nauk Rolnicz. i Lésn. **13.**

Mezira gulliveri see *Neuroctenus.*

Neuroctenus gulliveri China (= *Mezira gulliveri* China) p. 163, CHINA Ann. Mag. N. H. (9) **15.**

LYGAEIDAE (MYODOCHIDAE).

Blissus cornipes **sp. n.** S. Africa p. 68, HESSE Ann. S. Afr. Mus. **23.**

Caenocoris simillimus **sp. n.** Madagascar p. 189, HORVÁTH Ann. Mus. Hung. **21** 1924.

Emphanisis **gen. n.** p. 460, *cuprea* **sp. n.** Yunnan p. 462 fig., CHINA Ann. Mag. N. H. (9) **16.**

Geocoris tenuatus **sp. n.** Damaraland p. 70, HESSE Ann. S. Afr. Mus. **23.**

Gonatas natalensis Dist. redescribed p. 268 fig., CHINA Rec. Albany Mus. **3.**

Heraeus pacificus **sp. n.** Galapagos Is. p. 245 fig., BARBER Zoologica **5.**

Hovania **gen. n.** p. 191, *scutellaris* **sp. n.** Madagascar p. 192, HORVÁTH Ann. Mus. Hung. **21** 1924.

Ischnodemus pusillus **sp. n.** Florida p. 45, amended to *minutus* **n. n.** p. 245, BLATCHLEY Ent. News **36.**—*I. pilosulus* **sp. n.** Madagascar p. 192, HORVÁTH Ann. Mus. Hung. **21** 1924.

Lachnesthus rodriguezensis **sp. n.** Rodriguez p. 163, CHINA Ann. Mag. N. H. (9) **15.**

Lygaeodema **gen. n.**, *breviceps* **sp. n.** Madagascar p. 190, HORVÁTH Ann. Mus. Hung. **21** 1924.

Lygaeus leucopterus **var. n.** *incarnatus* Portugal p. 15 fig., de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra ser. i no. **2** 1924.

Migdilybs **gen. n.** p. 76, *furcifer* **sp. n.** p. 77 (with **var. n.** *capensis* p. 78) S. Africa, HESSE Ann. S. Afr. Mus. **23.**

Neolethaeus aethiopicus **sp. n.** S. Africa p. 84, HESSE t.c.

Orthaea insularis **sp. n.** Galapagos Is. p. 246 fig., BARBER Zoologica **5.**

Pamera nervosa **sp. n.** Aru Is. p. 311, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.—*P. pullata* **sp. n.** Ovamboland p. 79, HESSE Ann. S. Afr. Mus. **23.**

Paraphlegyas **gen. n.**, *elegans* (type) p. 72, *namakundensis* p. 73 Ovamboland, *pallidus* Damaraland p. 75, **spp. n.**, HESSE t.c.

Piezoscelis ferruginea p. 2, *brachynota* p. 3, **spp. n.** Transcaspia, key p. 4, KIRITSHENKO Rev. russe Ent. **19.**

Polycrates crassicornis **sp. n.** Madagascar p. 193, HORVÁTH Ann. Mus. Hung. **21** 1924.

PYRRHOCORIDAE.

Dermatinus tartareus winged form p. 86, HESSE Ann. S. Afr. Mus. **23.**

Pyrrhocoris apterus **ff. n.** *inaequalis*, *punctella* p. 59, *trifida* p. 60 Germany figs., STICHEL Illustr. Bestimm. deutsch. Wanzen **3.**

TINGIDAE.

West Indian Tingitidae, DRAKE & BRUNER Mem. Soc. Cubana Hist. nat. **6** 1924 pp. 144–154 2 pls.

Acalypta modesta **sp. n.** Br. Columbia p. 16, PARSHLEY Proc. Ent. Soc. Br. Columbia **18** 1921.

Acanthocheila sigillata **sp. n.** Cuba p. 147, DRAKE & BRUNER Mem. Soc. Cuba Hist. Nat. **6** 1924.

Caloloma **gen. n.**, p. 152, *uhleri* **sp. n.** Lesser Antilles p. 153, DRAKE & BRUNER t.c.

Copium hamadryas **sp. n.** Belgian Congo p. 1 fig., DRAKE Amer. Mus. Novit., New York no. **158.**—*C. lusitanicum* **sp. n.** Portugal p. 17 figs., de SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. I no. **2** 1924.

Corythaica renormata **sp. n.** Galapagos Is. p. 251, BARBER Zoologica **5.**

Corythuca celtidis **var. n.** *mississippiensis* U.S.A. p. 36, DRAKE Florida Ent. **9.**

Cysteochila rubida **sp. n.** Madagascar p. 193, HORVÁTH Ann. Mus. Hung. **21** 1924.

Galeatus involutus **sp. n.** Madagascar p. 108, DRAKE Ent. Mitt. **14.**

Gelchossa deceptiva **sp. n.** Br. Guiana and W. Indies p. 150, DRAKE & BRUNER Mem. Soc. Cuba Hist. Nat. **6** 1924.

Leptobyrsa binotata **sp. n.** Cuba p. 155, DRAKE & BRUNER t.c.

Mafa **gen. n.** p. 88, *lanceolata* **sp. n.** Ovamboland p. 89, HESSE Ann. S. Afr. Mus. **23.**

Monanthia cytharina **sp. n.** Galapagos Is. p. 90, BUTLER Proc. Zool. Soc. **1877.** —*M. globulifera* life-history pp. 296–299 figs., IYENGAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Platytingis **gen. n.** p. 107, *pediades* **sp. n.** Madagascar p. 108 fig., DRAKE Ent. Mitt. **14.**

Stephanitis blatchleyi **sp. n.** Florida p. 37, DRAKE Florida Ent. **9.**

Teleonemia (*Americia*) *amazonica* **sp. n.** Brazil p. 220, HORVÁTH Ent. Tidskr. **46.**

PHYMATIDAE.

Phylogenetic relations of genera of Phymatidae, DUDICH Matm. Termt. Ért. Budapest **41** pp. 20–24.

REDUVIIDAE.

Revision of American Ploiariinae, keys to genera & spp., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1 153 pp. 9 pls.

Monograph of the blood-sucking Reduviidae, PINTO Ensaio monographico dos Reduvideos hematophagos ou "Barbeiros" vii + 118 pp. 66 figs.

Araneaster **gen. n.** p. 99, *granulosus* **sp. n.** Ovamboland p. 100, HESSE Ann. S. Afr. Mus. **23.**

Archilestidium cinnabarinum **sp. n.** Australia p. 488, CHINA Ann. Mag. N. H. (9) **15.**

Brachytonus **gen. n.** *bicolor* **sp. n.** Yunnan p. 465 figs., CHINA op. cit. **16.**

Deliastes stramineipes **sp. n.**, Argentina p. 36 fig., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1.

Ectomocoris quadrimaculatus **var. n.** *macroquadrimaculatus* S. Africa p. 110, HESSE Ann. S. Afr. Mus. **23.**

Emesa (*E.*) *marmoratus* Cuba p. 41, *E.* (*Myiagreutes*) *minor* Argentina p. 43, *E.* (*Rothbergia* **subgen. n.**) *testaceus* Guatemala, *rapax* Argentina p. 45, *diffinis* Bolivia p. 46, **spp. n.** figs., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1.—*E. angulata* Panama specimens see *Ghilianella*.—*E.* auctt. nec Laporte see *Emesaya*.

Emesaya **n. n.** for *Emesa* auctt. nec Laporte, type *Ploiaria brevipennis* Say p. 75, *banksi* Texas p. 77, *incisa* California, Arizona, Mexico p. 78 **spp. n.**; *brevipennis* **subspp. n.** *australis* Cent. & U. S. America p. 79, *occidentalis* California, Florida p. 80; *lineata* Florida, *modica* Mexico, Costa Rica, *apiculata* Bolivia, Fr. Guiana p. 81, *pollex* Brazil, Bolivia p. 82, *manni* Bolivia p. 83, **spp. n.**, figs., MCATEE & MALLOCH t.c.

Empicoris orthoneuron p. 18, *winnemana* p. 19 U.S.A., *reticulatus* Mexico & U.S.A., p. 20, *subparallelus* Cuba p. 21, *nudus* Florida p. 22, **spp. n.** figs., MCATEE & MALLOCH t.c.

Euagoras annulatus **sp. n.** Aru Is. p. 313, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.

Gardena caesonia Guatemala, Mexico, *crispina* Costa Rica p. 70, *domitia* Bolivia, *eutropia* Brazil p. 71, *marcia* Brazil, *messalina* Texas, *pipara* S. America p. 72, *pyrallis* Venezuela, *aggripina* Bolivia, *faustina* S. America p. 73, *poppaea* Texas p. 74, **spp. n.** figs., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1.

Ghilianella bicaudata p. 101, *simillima* p. 102, *persimilis* p. 103, *longula* Cuba, *alveola* Grenada p. 104, *minimula*, *succincta* Brazil p. 105, *aliena* p. 106, *alterata* p. 107 Venezuela, *maculata*, Cuba, *personata* Brazil p. 108, *perversa* Colombia p. 110, *apiculata* Repub. Dominica, *ica* Rio Ica, *pachitea* Peru p. 111, *colona*, *aracataca* Colombia p. 112, *cuneata* Panama p. 113, *gladiator* Trinidad p. 115, *stipitata*, *similata* Venezuela, *pendula* (= *bulbifera* Champion ♀) Panama p. 116, *approximata* Bolivia p. 117, *globulata* (= *ignorata* Champion nec Dohrn) p. 118, *patruela* C. America, *recondita* Colombia p. 119, *perigynium* Peru, *signata* Colombia p. 120, *strigata* Costa Rica, *subglobulata* Venezuela p. 121, *uncinata* Panama p. 122, *mirabilis* Amazon p. 124, *peruviana* Peru, *annectens* (= *Emesa angulata* Uhler, Panama partim) p. 125, *truncata* (= *E. angulata* Uhl. Panama partim) p. 126, *G.* (*Ploeodonyx*) *amicula* Fr. Guiana p. 127, *glabrata* Br. Guiana p. 128, **spp. n.**, figs., MCATEE & MALLOCH t.c.

Glymmatophora venustiterga **sp. n.** Damaraland p. 113, HESSE Ann. S. Afr. Mus. **23.**

Harpactor otjimbumbensis Ovamboland p. 116, *pilipectus* S. Africa p. 118, **spp. n.**, HESSE t.c.

Igora **gen. n.** p. 122, *repraesentatus* **sp. n.** Ovamboland p. 123, HESSE t.c.

Luteva arizonensis see *Stenolemus* (*Stenolemoides*).

Malacopus longicornis **sp. n.** Florida p. 46, BLATCHLEY Ent. News **36**.

Metapterus aberrans Texas p. 86, *neglectus* U.S.A. p. 87, **spp. n.** figs., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1.

Oncocephalus clavipes **sp. n.** Namaqualand p. 95, HESSE Ann. S. Afr. Mus. **23**.

Orgetorixa **gen. n.** p. 486, *australica* **sp. n.** Australia p. 487, CHINA Ann. Mag. N. H. (9) **15**.

Ploiaria hewitti **sp. n.** S. Africa p. 270 figs., CHINA Rec. Albany Mus. **3**.—*P. brunnea* Brazil, Panama p. 54, *sicaria* Bolivia, *setulifera* Florida p. 55, *varipennis* p. 56, *granulata* p. 57 Guatemala, *bispina* C. & S. America p. 59, *albipennis* Mexico, *umbrarum* Jamaica p. 60, *pilicornis* Arizona, *uniseriata* Texas p. 61, *punctipes* Panama, *similis* p. 62, *denticauda* p. 63, *aptera* p. 66 U.S.A., **spp. n.** figs., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1.—*P. brevipennis* see *Emesaya*.

Polauchenia **gen. n.** *protentor* Panama p. 47, *biannulata* Fr. Guiana p. 48, **spp. n.** figs., MCATEE & MALLOCH t.c.

Reduvius laniger Butler (= *Peregrinator biannulipes* Sign.) p. 164, CHINA Ann. Mag. N. H. (9) **15**.—*R. gregoryi* **sp. n.** Yunnan p. 464, id. op. cit. **16**.—*R. bitumineus* p. 102, *nigricephalus* p. 103, *rasipodus* p. 105, **spp. n.** S. Africa, HESSE Ann. S. Afr. Mus. **23**.

Repipta annulipes **sp. n.** Galapagos Is. p. 250, BARBER Zoologica **5**.

Rhodnius brumpti **sp. n.** Brazil p. 76 fig., PINTO Ensaio monographica Reduvideos 1925 — *R. prolixus* bionomics p. 121, HOFFMANN Mem. Soc. Cuba Hist. nat. **6** 1924.

Rothbergia **subgen. n.** see *Emesa*.

Scipinia furcispina **sp. n.** Kei Is. p. 312, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.

Stenolemus (*Stenolemoides* **subgen. n.**) for *Luteva arizonensis* Banks, p. 28, (*Stenolemus*) *pristinus* Florida p. 29, *pallidipennis* Arizona p. 30, *variatus* Argentina, *interstitialis* French Guiana p. 31, *hirtipes* U.S.A., *mexicanus* Mexico p. 32, *spiniger* C. America, *perplexus* Peru, Brazil p. 33, **spp. n.** figs., MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 1.

Tinna serratifemora **sp. n.** Damaraland p. 93, HESSE Ann. S. Afr. Mus. **23**.

Triatoma key p. 161 bionomics figs., DEL PONTE Rev. Inst. bact. **2** 1920 pp. 729–744; **3** 1921 pp. 133–196.—*T. holmbergi* p. 28, *wernickei* p. 29, *neivai* p. 30 **spp. n.** S. America fig., DEL PONTE Rev. Inst. Bact. **4**.—*T.*, revision of genus p. 1, *ocellata* **sp. n.** Arizona p. 55, NEIVA Rev. gen. *Triatoma* Lap. 1914.—*T. dimidiata* biology pp. 1–6 fig., CAMPOS Rev. Col. Nac. V. Rocafuerte no. **13–14** 1923.—*T. flavida* biology pp. 159–163, HOFFMANN Arch. Schiffs-Trop.-Hyg. **29** Beiheft **1**.

Tritavus **gen. n.** p. 97, *saxatilis* **sp. n.** Ovamboland p. 98, HESSE Ann. S. Afr. Mus. **23**.

Vachiria prolixa **sp. n.** Transcaspia p. 5, KIRITSHENKO Rev. russe Ent. **19**.

Zelus angustatus **sp. n.** Florida p. 66, HUSSEY J. New York Ent. Soc. **33**.

NABIDAE.

Arachnocoris albomaculatus biology p. 136 figs., MYERS J. New York Ent. Soc. **33**.

Carthasis gracilis p. 172, *distinctus* p. 173, **spp. n.** Cuba, HARRIS Bull. Brooklyn Ent. Soc. **20**.

Nabis dis **sp. n.** Yunnan p. 467 fig., CHINA Ann. Mag. N. H. (9) **16**.—*N. lovetti* **sp. n.** California p. 205, HARRIS Ent. News **36**.

MESOVELIIDAE.

Mesovelia subvittata ♀ described p. 136, HORVÁTH Ann. Mus. Hung. **21** 1924.

CIMICIDAE.

Cimex, impregnation pp. 451–455, CRAGG Ind. J. Med. Res. **12**; anatomy pp. 487–498 fig., HUTCHINSON Ind. J. Med. Res. **12**.

Macrocranella pattoni **sp. n.** India p. 191 fig., HORVÁTH Rec. Ind. Mus. **27**.

Oeciacus hirundinis notes pp. 225–227 figs., KEMNER Ent. Tidskr. **46**.

ANTHOCORIDAE, MICROPHYSIDAE.

Anthocoridae from Alberta, Canada, KNIGHT Can. Ent. **57** p. 182.

Idiotropus McA. & Mall. nec Fieb. see *Mallochiola.*

Mallochiola **gen. n.** for *Idiotropus* McA. & Mall. nec Fieb., p. 160, BERGROTH Bull. Brooklyn Ent. Soc. **20.**

Physopleurella floridana **sp. n.** Florida p. 47, BLATCHLEY Ent. News **36.**

CAPSIDAE (MIRIDAE).

Miridae from Alberta, Canada, KNIGHT Can. Ent. **57** pp. 181–182.

Distribution and notes on some Alaskan Miridae figs., KNIGHT Ohio J. Sci. **21** 1921 pp. 107–112.

Atractotomus acaciae **sp. n.** Arizona p. 34, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Calocoris bipunctatus oviposition p. 91 fig., SMITH Ent. Mo. Mag., London **61.**

Camptobrochis slevini **sp. n.** California p. 395, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Capsus darwini **sp. n.** Galapagos Is. p. 89, BUTLER Proc. Zool. Soc. **1877.**

Ceratocapsus apicalis, denticulatus p. 46, *clavicornis* p. 47 **spp. n.** U.S.A., KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Chaetocapsus scotti see *Rodriguaria.*

Chlamydatus evanescens early stages p. 58, BROWN Ent. Mo. Mag. **61.**

Coquillettia nicholi p. 35, *albiclava* p. 36, **spp. n.** U.S.A., KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Creontiades fuscosus **sp. n.** Galapagos Is. p. 248 fig., BARBER Zoologica **5.**

Cyrtorhinus insperatus **sp. n.** Arizona p. 42, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Dacerla formicina **sp. n.** Br. Columbia p. 18 figs., PARSHLEY Proc. Ent. Soc. Br. Columbia **18** 1921.

Diaphnidia pellucida early stages p. 636, STEAR J. Econ. Ent. **18.**

Dichrooscytus barberi **sp. n.** Arizona p. 95, KNIGHT Can. Ent. **57.**

Eustictus minimus, obscurus p. 37, *productus, morrisoni* p. 38, *hirsutipes* p. 39, *claripennis* (with **var. n.** *clarus*) p. 40, **spp. n.** U.S.A., KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Halticus saltator biology p. 276, BUTLER Ent. Mo. Mag. **61.**

Horcias fasciativentris **var. n.** *imitator* Arizona p. 51, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Hyaliodes vitripennis early stages p. 636, STEAR J. Econ. Ent. **18.**

Ilnacorella **gen. n.** p. 91, *nigrisquamosa* (type) p. 92, *sulcata* p. 93, *argentata* p. 94 **spp. n.** N. America, KNIGHT Can. Ent. **57.**

Irbisia nigripes **sp. n.** Idaho p. 94, id. t.c.

Labopidea nigrisetosa **sp. n.** Wyoming p. 94, id. t.c.

Largidea pudica **sp. n.** Oregon p. 397, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Lopidella **gen. n.** (near *Lopidea*) *flavoscuta* **sp. n.** Arizona p. 41, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Lygidea essigi **sp. n.** California p. 394, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Lygus vandergooti **n. n.** for *solani* China nec Curtis p. 469, CHINA Ann. Mag. N. H. (9) **16.**—*L. pratensis* egg described p. 19, FOX-WILSON Ent. Mo. Mag., London **61** 1925.—*L.* (*Neolygus*) *deraeocorides* **sp. n.** Arizona p. 50, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Macrotylus geminus **sp. n.** Arizona p. 35, KNIGHT t.c.

Mesomiris albescens **sp. n.** Arizona p. 35, VAN DUZEE Pan-Pacific Ent. **2.**

Miris lineata **sp. n.** Galapagos Is. p. 89, BUTLER Proc. Zool. Soc. **1877.**—*M. trispinosa* notes on American & British exx. pp. 89–91, figs., EDWARDS Ent. Mo. Mag. London **61.**

Neoborella **gen. n.** (near *Neoborus*) *tumida* **sp. n.** Arizona & Colorado p. 48, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Neocapsus cuneatus **var. n.** *leviscutatus* U.S.A. p. 79, KNIGHT Ent. News **36.**

Notostira erratica notes on early stages p. 28 figs.; bred from *N. tricostata* Costa p. 279, CHINA Ent. Mo. Mag. **61.**

Orthotylus katmai **sp. n.** Alaska p. 108 figs., KNIGHT Ohio J. Sci. **21** 1921.—*O. minuendus* Arizona p. 90, *mistus* Alberta p. 91, **spp. n.**, KNIGHT Can. Ent. **57.**—*O. spinosus* **sp. n.**, Arizona p. 43, KNIGHT Bull. Brooklyn Ent. Soc. **20.**—*O. plucheae* p. 397, *demensus* p. 398, *cupressi* p. 399, *contrastus* p. 400 **spp. n.** U.S.A., VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Pamillia nyctalis p. 44, *pilosella*, *affinis* p. 45 **spp. n.** U.S.A., KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Parthenicus brunneus p. 400, *subulosus* p. 401, *pallidicollis* p. 402, *discalis*, *grex* p. 403 **spp. n.** U.S.A., VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**—*P. nicholi* p. 119, *albellus* p. 120, *selectus*, *pictus* p. 121, *oreades* p. 122, *micans* p. 123, *irroratus*, *rubrinervis* p. 124, *baccharidis* p. 125, *rubromaculosus*, *rufusculus* p. 126, *aureosquamis* p. 127, *rufivenosus* p. 128, *cuneotinctus* p. 129, **spp. n.** Arizona, KNIGHT Ohio J. Sci. **25.**

Phytocoris strigosus p. 51, *roseotinctus* p. 52, *acaciae* p. 53, *covilleae* p. 54, *nigripubescens*, *cuneotinctus* p. 55, *mellarius* p. 56, *angusticollis* p. 57, **spp. n.** U.S.A., KNIGHT Bull. Brooklyn Ent. Soc. **20.**

Pithanus maerkeli **var. n.** *nigripes* Portugal p. 41, DE SEABRA Mem. Estud. Mus. zool. Univ. Coimbra Ser. i no. **5.**

Plagiognathus flavescens **sp. n.** Arizona p.33, KNIGHT Bull. Brooklyn Ent. Soc. **20.**

~~*Plagiognathus*~~ *ilicis* **sp. n.** Ithaca p. 305, KNIGHT Ent. News **36.**

Polymerus basivittis **var. n.** *pallidulus* p. 95; *chrysopsis* p. 245, *brevirostris* p. 246, *rubrocuneatus*, *severini* p. 247, *nubilipes*, *tumidifrons* p. 248, *brevis*, *gracilentus* p. 249, *balli* p. 250, *flaviloris*, *robustus* p. 251, *delongi* p. 252, **spp. n.** U.S.A., *americanus* further notes p. 253, KNIGHT Can. Ent. **57.**

Psallus insularis **sp. n.** Galapagos Is. p. 250, BARBER Zoologica **5.**—*P. suaedae* **sp. n.** U.S.A. p. 34, KNIGHT Bull. Brooklyn Ent. Soc. **20.**—*P. tinctipennis*, *maculosus* p. 89, **spp. n.** Arizona, KNIGHT Can. Ent. **57.**

Reuteroscopus longirostris **sp. n.** Arizona p. 90, KNIGHT Can. Ent. **57.**

Rodriguaria **gen. n.** for *Chaetocapsus scotti* China p. 165, CHINA Ann. Mag. N. H. (9) **15.**

Strongylocoris uniformis **sp. n.** Utah p. 396, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

CERATOCOMBIDAE (CRYPTOSTEMMATIDAE).

Revision of Cryptostemmatidae in U. S. National Museum, MCATEE & MALLOCH Proc. U. S. Nat. Mus. **67** art. 13 pp. 1–42 figs.

Ceratocomboides **gen. n.** *prima* **sp. n.** Panama p. 12 fig., id. t.c.

Ceratocombus key p. 4, (*C.*) *areolatus* Guatemala (with **var. n.** *accola* Grenada), (*C.*) *hesperus* California, (*Xylonannus*) *major* West Indies p. 6, (*X.*) *cuneatus* Brazil, (*X.*) *vagans* Maryland p. 7, **spp. n.** figs., id. t.c.

Corixidea key, *crassa* Panama p. 25, *major* Tennessee p. 26, **spp. n.** fig., id. t.c.

Cryptostemma key, *pedunculatum* Panama p. 9, *smithi* Grenada, *uhleri* Mexico p. 10, **spp. n.** fig., id. t.c.

Hoplonannus **gen. n.** *brunnea* **sp. n.** Guatemala p. 30, id. t.c.

Hypselosoma boops **sp. n.** China p. 32 fig., id. t.c.

Membracioides **gen. n.** *parallela* **sp. n.** Mexico p. 27 fig., id. t.c.

Nannocoris key, *cavifrons* p. 28, *nasua* Guatemala, *schwarzi*, *flavomarginata* Panama p. 29, **spp. n.** figs., id. t.c.

Schizoptera key p. 12, (*Orthorhagus*) *plana*, (*O.*) *bipartita* p. 15, (*Odontorhagus*) *repetita* Guatemala, (*O.*) *clodius* p. 16, (*O.*) *decius* Panama, (*O.*) *commodus*, (*O.*) *drusus* Guatemala, (*Kophaegis*) *cubensis* p. 17, (*K.*) *similis* Cuba, (*Zygophleps*) *unica*, (*Cantharocoris*) *reuteri* Guatemala p. 18, (*C.*) *uhleri* Grenada, (*C.*) *elmis* p. 19, (*C.*) *scymnus* Venezuela, (*Schizoptera*) *reticulata*, (*S.*) *hirta* Guatemala p. 20, (*S.*) *caudata* Mexico, (*S.*) *paraguayana* Paraguay p. 21, (*S.*) *pilosa* Guatemala p. 22, (*S.*) *nigrita* Mexico, (*S.*) *apicipunctata* Guatemala, (*S.*) *licinius* Panama p. 23, (*S.*) *vitellius* Guatemala, (*Lophopleurum*) *sulcata* West Indies, (*L.*) *bispina* Guatemala, (*L.*) *tenuispina* Panama p. 24, **spp. n.** figs., id. t.c.

HYDROMETRIDAE.

Hydrometra hoplogastra p. 2, *feta* p. 4, **spp. n.** Queensland fig., HALE Ark. Zool. **17 A** no. 20.—*H. eremobia* **sp. n.** Transcaspia p. 5, KIRITSHENKO Rev. russe Ent. **19.**

Limnobatodes **gen. n.** *paradoxus* **sp. n.** Honduras p. 115 fig., HUSSEY Bull. Brooklyn Ent. Soc. **20.**

VELIIDAE.

Microvelia parallela **sp. n.** N. Carolina p. 48, BLATCHLEY Ent. News **36.**—*M. melancholica* p. 5, *mjöbergi* p. 6, *pera-*

moena Australia, p. 8, **spp. n.** fig., HALE Ark. Zool. **17 A** no. 20.—*M.* life-history p. 606, HOFFMANN China J. Sci. & Arts **3.**—*M. borealis, buenoi,* nymphal stages pp. 93–94, *M.*, bionomics Hawaii p. 132, HOFFMANN Bull. Brooklyn Ent. Soc. **20.**—*M.*, key to Indian spp. p. 229, *longicornis* **sp. n.** Ceylon p. 231, TORRE-BUENO Spolia Zeylanica **13.**

Rhagovelia choreutes **sp. n.** Florida p. 66, HUSSEY J. New York Ent. Soc. **33.**

Velia watsoni life-history pp. 107–112, HOFFMANN Can. Ent. **57.**

GERRIDAE.

Key to Br. Indian genera of Gerrinae, TORRE-BUENO Spolia Zeylanica **13** p. 226.

Amemboa **gen. n.** *fumi* **sp. n.** Formosa p. 63 figs., ESAKI Phil. J. Sci. **26.**

Gerris lepcha Distant (= *G.* (*Limnotrechus*) *gracilicornis* Horvath) p. 470, CHINA Ann. Mag. N. H. (9) **16.**—*G. capensis* **sp. n.** S. Africa p. 273 fig., CHINA Rec. Albany Mus. **3.**—*G.* (*Limnoporus*) *notabilis* p. 46, (*Aquarius*) *nyctalis* p. 47, (*Gerris*) *comatus* p. 48, *pingreensis* p. 49, **spp. n.** U.S.A., DRAKE & HOTTES Ohio J. Sci. **25.**—*G. uhleri* p. 69, *nebularis* p. 70, *insperatus* p. 71, *incurvatus* p. 72, *incognitus* p. 73 **spp. n.**; *comatus* **var. n.** *mickeli* p. 72 N. America, DRAKE & HOTTES Proc. Biol. Soc. Wash. **38.**—*G. cui* **sp. n.** Formosa p. 58 figs., ESAKI Phil. J. Sci. **26.**—*G.*, biology pp. 48–63, HOFFMANN Lingnaam Agric. Rev. **3.**—*G. argentatus*, brachypterism pp. 346–352, MACGILLAVRY Ent. Ber. **6.**—*G. lacustris* metamorphosis pp. 674–678, POISSON C.R. Assoc. franç. Avanc. Sci. **45** (1921) 1922.—*G. remigis,* distribution Illinois p. 32 figs., RILEY Ecology **2** 1920.—*G. rufoscutellatus* biology & general habits pp. 65–72, 86–93, 107–115, 1 map, RILEY Ent. Rec. **37.**—*G. najas, paludum, lateralis, costae,* synonymy p. 91, ROYER Bull. Soc. ent. Fr. **1925.**

Halobates robustus **sp. n.** Galapagos Is. p. 253 fig., BARBER Zoologica **5.**—*H. mjöbergi* **sp. n.** N. W. Australia p. 12 fig., HALE Ark. Zool. **17 A** no. 20.

Limnometra palauana **sp. n.** Palau Is. Micronesia p. 57, ESAKI Phil. J. Sci. **26.**

Ptilomera sumizome **sp. n.** Celebes p. 59 figs., ESAKI t.c.

Tenagogonus nymphae Formosa p. 58, *okinawanus* Okinawa p. 59, **spp. n.** fig., ESAKI t.c.

SALDIDAE (ACANTHIIDAE).

Chiloxanthus pilosus **var. n.** *zaitzevi* Siberia p. 2 figs., KIRITCHENKO Mém. Acad. imp. Sci. **28** no. 19 1916.

Salda nicholsoni **sp. n.** N. S. Wales p. 465 figs., HALE Proc. Linn. Soc. N. S. W. **49** 1924.

Saldula obscura further description p. 257, *buenoi* **sp. n.** Alberta p. 259, MCDUNNOUGH Can. Ent. **57.**—*S. comata* p. 21, *nigrita* p. 23, **spp. n.** Br. Columbia, PARSHLEY Proc. Ent. Soc. Br. Columbia **18** 1921.

NAUCORIDAE.

Aphelochirus rotroui **sp. n.** Morocco p. 80 fig., de BERGEVIN Bull. Soc. Hist. nat. Afr. N. **16.**—*A.*, morphology and function of respiratory organs pp. 33–55 fig., SZABÓ-PATAY Ann. Mus. Hung. **21** 1924.

NEPIDAE.

Revision of Nepidae of Japan, SONAN Dobuts. Z. **35** 1923 pp. 293–301, 417–422 1 fig.

Nepa hoffmanni **sp. n.** N. China p. 313 fig., ESAKI Ent. Mitt. **14.**—*N. apiculata* nymphal stages p. 94, HOFFMANN Bull. Brooklyn Ent. Soc. **20.**—*N. chinensis* **sp. n.** S. China p. 39, HOFFMANN Lingnaam Agric. Rev. **3.**—*N. cinerea* spermatogenesis pp. 1476–1478 figs., STEOPOE C.R. Soc. Biol. **92.**

BELOSTOMIDAE.

Benacus griseus habits pp. 88–91 figs., HUNGERFORD Psyche **32.**

Lethocerus americanus habits pp. 88–91 figs., id. t.c.

NOTONECTIDAE.

Key to genera of Notonectidae, HALE Proc. Linn. Soc. N.S.W. **49** 1924 p. 462 figs.

Anisops exigua **sp. n.** Kei Is. p. 314, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.—*A. producta* bionomics p. 684, POISSON C.R. Acad. Sci. Paris **181.**

Buenoa key to U. S. spp. p. 228, *scimitra* **sp. n.** Kansas p. 226 figs., BAER Ent. News **36.**

Notonecta bergrothi **sp. n.** E. Siberia p. 14 fig., ESAKI Not. ent. **5.**—*N. suensoni* **sp. n.** China p. 417, HUNGERFORD Ann. Ent. Soc. Amer. **18.**—*N. mexicana* notes p. 238, *lobata* Arizona, *compacta* p. 239, *distincta*, *macrocephala* Mexico, *hoffmani* California p. 241, **spp. n.** figs., HUNGERFORD Can. Ent. **57.**—*N. viridis* Delc. (= *halophila* J. Edw.) p. 256, POISSON Bull. Soc. ent. Fr. **1925.**

Nychia marshalli **var. n.** *atavia* N. W. Australia p. 17 fig., HALE Ark. Zool. **17 A** no. 20.

Paranisops **gen. n.** *inconstans* **sp. n.** p. 463, **var. n.** *lutea* p. 464, N. S. Wales figs., HALE Proc. Linn. Soc. N.S.W. **49** 1924.

Plea striola tropisms pp. 186–187, CLARK Bull. Brooklyn Ent. Soc. **20.**—*P. vittifrons* **sp. n.** Aru Is. p. 314, HORVÁTH Abh. Senckenberg. nat. Ges. **35** 1919.

MONONYCHIDAE (GELASTOCORIDAE).

Key to N. American subfamilies and genera of Gelastocoridae, BLATCHLEY Ent. News **36** p. 50.

Glossoaspis **gen. n.** p. 50, *brunnea* **sp. n.** Florida p. 51, id. t.c.

CORIXIDAE.

Revision of Polish Corixidae, JACZEWSKI Ann. Zool. Mus. Polon. Hist. Nat. **3** 1924 pp. 1–98 figs.

Anticorixa **subgen. n.** see *Callicorixa.*

Arctocorixa californica p. 18, *uhleri* p. 19, *gerhardi* p. 21, *compacta*, *utahensis* Utah p. 22 **spp. n.**; *interrupta—harrisii* group p. 141; *obliqua* p. 142, *lobata*, *vulgaris* p. 143, **spp. n.** U.S.A. figs., HUNGERFORD Bull. Brooklyn Ent. Soc. **20.**—*A. carinata*, *germari*, morphology pp. 127–142; *lugubris*, *selecta* descriptions pp. 182–192; *glossata* **sp. n.** Sweden p. 193, *falleni* description p. 95 figs., LUNDBLAD Ent. Tidskr. **46.**

Callicorixa (*Anticorixa* **subgen. n.** pp. 76, 83) *mandschurica* **sp. n.** Manchuria p. 151 figs., JACZEWSKI Ann. Zool. Mus. Polon. Hist. Nat. **3** 1924.

Corixa monticellii **sp. n.** Naples p. 197, CAROLI Mon. zool. ital. **35** 1924; development, p. 299, CAROLI Att. Acc. fisiocritici Siena (9) **16** 1924.

Diaprepocoris key, *personata* W. Australia p. 8, *zealandiae* N. Zealand p. 9, **spp. n.** figs., HALE Trans. R. Soc. S. Australia **48** 1924.

Neocorixa **gen. n.** p. 19, *snowi* **sp. n.** Arizona p. 20 figs., HUNGERFORD Bull. Brooklyn Ent. Soc. **20.**

Homoptera.

Intracellular symbiosis in Homoptera, BUCHNER Zs. Morph. Oekol. Tiere Abt. A **4** pp. 88–245 figs.

Homoptera of Piedmont, DELLA BEFFA Boll. Soc. ent. ital. **57** pp. 141–147.

Ecology of leaf-hoppers near Douglas Lake (Michigan), METCALF Ecology **5** 1924 pp. 171–174.

CICADIDAE.

Notes on the oviposition of some Kansas Cicadas, BEAMER Ann. Ent. Soc. Amer. **18** pp. 479–482.

Records of American Cicadidae, DAVIS J. New York Ent. Soc. **33** pp. 35–51 1 pl.

Monograph of Argentine Cicadidae, DELÉTANG An. Mus. nac. H. n. Buenos Aires **31** 1923 pp. 538–649 34 figs.

The Japanese Cicadidae with various keys, KATO Trans. Nat. Hist. Soc. Formosa **15** pp. 1–46, 55–76, 92–101.

List of Franken Cicadidae, KUPKA Mitt. münchn. ent. Ges. **15** pp. 102–113.

Sound organs and songs of New Zealand Cicadidae, MYERS Rept. Austral. Ass. Adv. Sci. **16** 1924 pp. 420–430.

Abagazara omaruruensis **sp. n.** Damaraland p. 143, HESSE Ann. S. Afr. Mus. 23.

Abroma terminalis see *Nipponosemia.*

Aola scitula see *Pomponia.*

Cicada nagashimai p. 7, *japonica* p. 8 **spp. n.**; *terminalis* **var. n.** *formosana* p. 9 Japan, KATO Trans. Nat. Hist. Soc. Formosa **15.**—*C. tibicen* a S. American sp. p. 35, DAVIS J. New York Ent. Soc. **33.**—*C. sayi* see *Tibicen chloromera.*

Cicadatra gregoryi p. 471, *shaluensis* p. 472, **spp. n.** Yunnan figs., *Quintilia pomponia* Dist. transferred to, p. 472, CHINA Ann. Mag. N. H. (9) **16.**

Clidophleps vagans **sp. n.** California p. 48 figs., Davis J. New York Ent. Soc. **33.**

Cryptotympana fascialis **var. n.** *formosana, japonensis* (with **var. n.** *riukiuensis*), *yaeyamana* p. 11, *takasagona* p. 12, *argenteus, coreanus, fusca* p. 13 **spp. n.**, *holsti* **var. n.** *takahashii, kotoshoensis* p. 14, *capillata* p. 15 **spp. n.**, Japan, Kato Trans. Nat. Hist. Soc. Formosa **15.**

Euterpnosia arisanus p. 31, *kotoshoensis* p. 32 Japan, *sozenensis* Formosa p. 95, **spp. n.** fig., Kato t.c.

Formotosena **gen. n.** for *Tosena seebohmi* Distant p. 59, Kato t.c.

Graptopsaltria colorata **var. n.** *badius, bimaculata* **sp. n.** Japan p. 5, Kato t.c.

Higurasia **gen. n.** for *Terpnosia* ? *bicolor* Kato p. 59 figs., Kato t.c.

Hyalessa **gen. n.** *ronshana* **sp. n.** Yunnan p. 474 figs., China Ann. Mag. N. H. (9) **16.**

Lembeja roehli p. 42, *harderi* p. 43, **spp. n.** Sumba I., Schmidt Soc. ent. **40.**

Lycurgus **gen. n.** for *Quintilia subvitta* Wlk. p. 472, China Ann. Mag. N. H. (9) **16.**

Macrosemia **gen. n.** for *Platylomia hopponis* Kato p. 57 fig., Kato Trans. Nat. Hist. Soc. Formosa **15.**

Magicicada **gen. n.** for *Tibicina septemdecim* L. America p. 43, Davis J. New York Ent. Soc. **33.**

Meimuna opalifera **var. n.** *formosana* p. 22, *ishigakina* p. 23, *uraina* p. 24, **spp. n.** Japan, Kato Trans. Nat. Hist. Soc. Formosa **15.**

Melampsalta, Quintilia mogannia Dist. and *soulii* Dist. transferred to, p. 471, China Ann. Mag. N. H. (9) **16.**—*M. cruentata* synonymy & description p. 176, Myers Rec. Canterbury Mus. Christchurch **2** 1924.

Mogannia flavocapitata, flavescens p. 34, *fasciata* p. 36 (with **var. n.** *nigroventris*), *fuscomaculata, delta, kashotoensis* p. 37 (with **var. n.** *flavoguttata*), **spp. n.**, *nigrocyanea* **var. n.** *flavofascia* p. 38 Japan, *kanoi* **sp. n.** Formosa p. 97 fig., Kato Trans. Nat. Hist. Soc. Formosa **15.**

Munza venusta **sp. n.** Damaraland p. 139, Hesse Ann. S. Afr. Mus. **23.**

Nipponosemia **gen. n.** for *Abroma terminalis* Mats. p. 55, Kato Trans. Nat. Hist. Soc. Formosa **15.**

Okanagana bella **var. n.** *rubrocaudata* Colorado p. 46, Davis J. New York Ent. Soc. **33.**

Oncotympana maculaticollis **var. n.** *mikado, coreanus* **sp. n.**, Japan p. 27, Kato Trans. Nat. Hist. Soc. Formosa **15.**

Platylomia karapinensis p. 20, *hopponis* p. 21, **spp. n.** Japan, *hopponis* transferred to *Macrosemia* p. 57 fig., Kato t.c.—*P. lemoultii* **sp. n.** Tibet p. 201, Lallemand Bull. Mus. Paris **1924.**

Platypleura kaempferi **subsp. n.** *dentivitta* Formosa p. 92 fig., Kato Trans. Nat. Hist. Soc. Formosa **15.**

Pomponia, Aola scitula transferred to, p. 476, China Ann. Mag. N. H. (9) **16.**—*P. kiushiuensis* **sp. n.** Japan p. 61 figs., Kato Trans. Nat. Hist. Soc. Formosa **15.**

Purana tigroides see *Tanna.*

Puranoides Moulton discussed p. 476, China Ann. Mag. N. H. (9) **16.**

Quintilia walkeri **sp. n.** S. Africa p. 275, China Rec. Albany Mus. **3.**—*Q. mogannia, soulii* see *Melampsalta, Q. pomponia* see *Cicadatra, Q. subvitta* see *Lycurgus.*

Scieroptera formosana **ab. n.** *ater* Formosa p. 98 fig., Kato Trans. Nat. Hist. Soc. Formosa **15.**

Tanna, Purana tigroides Wlk. transferred to, p. 476, China Ann. Mag. N. H. (9) **16.**—*T. viridis* p. 17, *taikosana, horishana* p. 18, **spp n.**, Kato Trans. Nat. Hist. Soc. Formosa **15.**

Terpnosia clio Walk., *ransonneti* Dist., *andersoni* Dist., *abdulla* Dist., discussed p. 473, China Ann. Mag. N. H. (9) **16.**—*T. kuramensis* p. 29, *bicolor* p. 30, **spp. n.** Japan, figs., Kato Trans. Nat. Hist. Soc. Formosa **15.**—*T. bicolor* see *Higurasia.*

Tibicen records of spp. in N. America p. 38, *semicincta* **sp. n.** Arizona p. 41, *chloromera* Walk. (= *Cicada sayi* Sm. & Grossb.) p. 37 figs., Davis J. New York Ent. Soc. **33.**

Tibicina septemdecim see *Magicicada.*

Tosena seebohmi see *Formotosena.*

Yezoterpnosia sapporensis **sp. n.** Japan p. 28, KATO Trans. Nat. Hist. Soc. Formosa **15.**

Zouga apiana **sp. n.** Ovamboland p. 142, HESSE Ann. S. Afr. Mus. **23.**

FULGOROIDEA.

Intracellular symbiosis in Fulgoridae, SULC C.R. Soc. Biol. **92** pp. 1059–1062.

FULGORIDAE.

Fulgora notes on Indo-Malayan groups with keys pp. 343–362, *maquilingana* p. 352, *agusanensis* p. 354, *fumosa* p. 355 Philippines, *viridicastanea* p. 359, *transversolineata* p. 360 Borneo, *polillensis* p. 361, *samarana* p. 362 Philippines, **spp. n.** figs., BAKER Phil. J. Sci. **28.**

DICTYOPHARIDAE.

Bursinia risleri **sp. n.** Constantine fig. p. 19, DE BERGEVIN Bull. Soc. Hist. nat. Afr. N. **16.**

Intandela **gen. n.** p. 148, *respersionis* **sp. n.** Ovamboland p. 149, HESSE Ann. S. Afr. Mus. **23.**

CIXIIDAE.

Review of Hawaiian Cixiidae, GIFFARD Proc. Hawaiian Ent. Soc. **6** pp. 51–156 figs.

Notes on Cixiidae, Kinnaridae and Meenoplidae, MUIR Pan-Pacific Ent. **1** pp. 99–110 & 156–161.

Andes simplex, decoloratus Borneo p. 203, *trispinosus* p. 204, *serratus* p. 205 Java, *tridentatus, quadrilaminatus* p. 206, *spinosus* Borneo, *fictus* p. 207 Philippines, *maculifrons* Java, *ornatus* Singapore p. 208, *pulchellus* p. 209, *brunneus, parvus* Borneo, *furcatus* Philippines p. 210, *stramineus* Borneo, *unifasciatus* p. 211, *dubiosus* p. 212, *pseudobrunneus, brunniceps* p. 213, *usitatus* p. 214, *serrulatus* p. 215, *mindanaensis* Philippines, *angulatus* Penang p. 216, *indistinctus, inaequalis* Borneo p. 217, *bakeri, cucullatus* p. 218, *insolitus* Singapore, *mitellatus* F.M.S. p. 219, *distinctus* p. 220, *bicolor* p. 221 Borneo, *ocellatus* Philippines p. 222, **spp. n.** figs., MUIR Phil. J. Sci. **27.**

Bothriocerodes metallicus see *Olonia.*

Brixia rodriguezi p. 464, *viridis, pullus* p. 465, **spp. n.** Rodriguez figs., MUIR Trans. Ent. Soc. Lond. **1924.**— *B. concinnula* see *Colvanalia.*

Cixius vandykei California p. 404, *praecox* Oregon p. 405, **spp. n.**, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Colvanalia **gen. n.** for *Brixia concinnula* Wlk. p. 162, MUIR Pan-Pacific Ent. **1.**

Cubana insularis **sp. n.** Rodriguez p. 463, MUIR Trans. Ent. Soc. Lond. **1924.**

†*Eoliarus* **gen. n.** p. 10, *quadristictus* **sp. n.** Green River Eocene, Colorado p. 11 fig., COCKERELL Proc. U. S. Nat. Mus. **66** art. 19.

Iolania notes p. 149, *oahuensis, koolauensis* p. 154, *mauiensis, lanaiensis* p. 155, **spp. n.** Hawaii figs., GIFFARD Proc. Hawaiian Ent. Soc. **6.**

Kelisia snelli **sp. n.** Rodriguez p. 467 figs., MUIR Trans. Ent. Soc. Lond. **1924.** → to

†*Mundopoides* **gen. n.** p. 11, *cisthenaria* **sp. n.** Siberia p. 12 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Nothocharis **gen. n.** p. 162; *bakeri, tayabasensis* **spp. n.** Philippines p. 163, MUIR Pan-Pacific Ent. **1.**

Oecleus subreflexus **sp. n.** California p. 406, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Oliarus notes p. 51, key to Hawaiian spp. p. 61, *muiri* p. 66, *swezeyi* p. 67, *kaiulani* p. 69, *tantalus* p. 71, *koanoa* p. 72, *myoporicola* p. 74, *wailupensis* p. 76, *kaumuahona, kirkaldyi* p. 77, *discrepans* p. 79, *likelike* p. 86, *makaala* p. 87, *koele* p. 93, *halehaku* p. 94, *immaculatus* p. 96, *neotarai* p. 99, *neomorai* p. 102, *lanaiensis, olympus* p. 106, *mauiensis* p. 109, *montanus* p. 111, *kulanus* p. 117, *intermedius* p. 122, *consimilis* p. 123, *waialeale, lihue* p. 125, *euphorbiae* p. 128, *koae* p. 130, *niger* p. 131, *halemanu* p. 133, *agnatus* p. 134, *albatus* p. 135, *inaequalis* p. 136, *similis* p. 139, *instabilis* p. 142, *inconstans* p. 145, **spp. n.** Hawaii figs., GIFFARD Proc. Hawaiian Ent. Soc. **6.**— *O. felis* life-history pp. 113–114 figs., HACKER Mem. Queensland Mus. **8.**— *O. lactescens* p. 150, *limbifer* p. 151, *maculosus* p. 152, *virgultivagus* p. 153, **spp. n.** Ovamboland, HESSE Ann. S. Afr. Mus. **23.** — *O. walkeri* figured p. 313, MISRA Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*O. tsoui* **sp. n.** China p. 365 fig., MUIR Phil. J. Sci. **28.**

Olonia **gen. n.** for *Bothriocerodes metallicus* Fowler p. 161, MUIR Pan-Pacific Ent. **1.**

Parandes **gen. n.** *simplus* **sp. n.** W. Borneo p. 511 figs., MUIR Phil. J. Sci. **26.**

DELPHACIDAE.

†*Amagua* **gen. n.** *fortis* **sp. n.** Miocene, Siberia p. 3 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.

Amblycotis discussed p. 279, MUIR Can. Ent. **57.**

Bostaera discussed p. 279, MUIR t.c.

Delphacodes thomasseti **sp. n.** Rodriguez p. 466 figs., MUIR Trans. Ent. Soc. Lond. **1924.**

Dicranotropis maidis (*Pundaluoya simplicia*) dimorphism pp. 406–408 figs., RAMACHANDRA RAO Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924; life-history pp. 27–31, id. Madras Dept. Agric. Year Book **1923** 1924.

Liburnia manicata Ovamboland p. 170, *varia* S. Africa p. 171, **spp. n.**, HESSE Ann. S. Afr. Mus. **23.**

Nilaparvata muiri **sp. n.** Yunnan p. 480 fig., CHINA Ann. Mag. N. H. (9) **16.**

Perkinsiella vitalisi **sp. n.** Tonkin p. 222 fig., MUIR Ent. Mo. Mag. **61.**

Pissonotus giffardi **sp. n.** California p. 407, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Pundaluoya simplicia see *Dicranotropis.*

Ugyops butleri **sp. n.** Loyalty Is. p. 221 fig., MUIR Ent. Mo. Mag. **61.**

TROPIDUCHIDAE.

Clardea leguati **sp. n.** Rodriguez p. 468 figs., MUIR Trans. Ent. Soc. Lond. **1924.**

Inkewana **gen. n.**, *fuscoirroratus* **sp. n.** Ovamboland p. 154, HESSE Ann. S. Afr. Mus. **23.**

Kusuma aethiopica **sp. n.** Ovamboland p. 158, HESSE t.c.

DERBIDAE.

Imbalar **gen. n.** p. 155, *squamifer* **sp. n.** S. Africa p. 156, HESSE Ann. S. Afr. Mus. **23.**

Leguatia **gen. n.** p. 469, *fernandezi* **sp. n.** Rodriguez p. 470 figs., MUIR Trans. Ent. Soc. Lond. **1924.**

Malenia **gen. n.** (near *Lamenia*) p. 233, *sicula* **sp. n.** Sicily p. 234, HAUPT Mem. Soc. ent. ital. **3.**

Paraphenice insularis, lopezi **spp. n.** Rodriguez p. 471 figs., MUIR Trans. Ent. Soc. Lond. **1924.**

EURYBRACHIDAE.

Metoponitys testudineus **sp. n.** Ovamboland p. 146, HESSE Ann. S. Afr. Mus. **23.**

Nesis seresis **sp. n.** Yunnan p. 479, CHINA Ann. Mag. N. H. (9) **16.**

ISSIDAE.

Hysteropterum theryi **sp. n.** Morocco p. 159 figs., DE BERGEVIN Bull. Soc. Hist. nat. Afr. N. **16.**

Ikonza **gen. n.** p. 159, *lawrencei* **sp. n.** p. 160 Ovamboland, HESSE Ann. S. Afr. Mus. **23.**

Issus rostrifer **sp. n.** Galapagos Is. p. 90, BUTLER Proc. Zool. Soc. **1877.**

TETTIGOMETRIDAE.

Hilda speciosa **sp. n.** Ovamboland p. 161, HESSE Ann. S. Afr. Mus. **23.**

RICANIIDAE.

Diazanus **gen. n.** p. 162, *coriipennis* **sp. n.** S.W. Africa p. 163, HESSE Ann. S. Afr. Mus. **23.**

Mindura fraterna **sp. n.** Sumatra p. 35, SCHMIDT Soc. ent. **40.**

Tarundia straminea **sp. n.** Rodriguez p. 471 figs., MUIR Trans. Ent. Soc. Lond. **1924.**

FLATIDAE.

Cerynia parnassioides **sp. n.** Yunnan p. 476 fig., CHINA Ann. Mag. N. H. (9) **16.**

Cyarda ocreata p. 167, *truncata* p. 168, **spp. n.** S. W. Africa, HESSE Ann. S. Afr. Mus. **23.**

Phromnia melichari **n. n.** for *inornata* Mel. nec Wlk. p. 478, CHINA Ann. Mag. N. H. (9) **16.**

Scarpanta fulva **sp. n.** Ovamboland p. 165, HESSE Ann. S. Afr. Mus. **23.**

MEMBRACIDAE.

Classification and synopsis of Membracidae of Ecuador, GODING Rev. Col. Nac. Vic. Rocafuerte no. **5** 1921 pp. 3–15.

Membracidae of Kartabo, British Guiana, bionomics, keys, HAVILAND Zoologica **6** pp. 229–290 figs.

Amastris funkhouseri p. 251, *vismiae* p. 252, **spp. n.** Br. Guiana figs., HAVILAND t.c.

Aphetea affinis **sp. n.** Br. Guiana p. 252 figs., HAVILAND t.c.

Boethoos cinctata p. 249, *globosa* p. 250, **spp. n.** Br. Guiana figs., HAVILAND t.c.

Bolbonota aspidistrae **sp. n.** Br. Guiana p. 241 fig., HAVILAND t.c.

Centrogonia flavolimbata **sp. n.** Ecuador p. 11 fig., GODING Rev. Col. Nac. V. Rocafuerte no. **5** 1921.

Centruchoides felinus **sp. n.** Br. Guiana p. 257 fig., HAVILAND Zoologica **6**.

Cyrtolobus pictus **sp. n.** Utah p. 408, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14**.

Ecuadoria **gen. n.** *bactriana* **sp. n.** Ecuador p. 12 fig., GODING Rev. Col. Nac. V. Rocafuerte no. **5** 1921.

Enchenopa hastata F. (= *nutans* Germ.), HAVILAND Zoologica **6** errata.

Gelastigonia hirsuta **sp. n.** Br. Guiana p. 256 figs., HAVILAND Zoologica **6**.

Gerridius scutellatus see *Lophyraspis fowleri*.

Glossonotus nimbatulus **sp. n.** New York p. 200, BALL J. Wash. Acad. Sci. **15**.

Guayaquilia **gen. n.** *roreriana* **sp. n.** Ecuador p. 14 fig., GODING Rev. Col. Nac. V. Rocafuerte no. **5** 1921.

Heliria gibberata p. 200, *cornutula*, *clitella* p. 201, *fitchi*, *gemma* p. 202, **spp. n.** N. America, BALL J. Wash. Acad. Sci. **15**.

Heteronotus albospinosus p. 245, *vespiformis* p. 247, **spp. n.** Br. Guiana figs., HAVILAND Zoologica **6**.

Hille herbicola **sp. n.** Br. Guiana p. 255 figs., HAVILAND t.c.

Hypsoprora aspera **sp. n.** Br. Guiana p. 242 fig., HAVILAND t.c.

Leioscyta beebei p. 239, *spiralis* p. 240, **spp. n.** Br. Guiana figs., HAVILAND t.c.

Lophyraspis fowleri **n. n.** for *Gerridius scutellatus* Fowler nec Stål p. 261, *armata* **sp. n.** Br. Guiana p. 262 figs., HAVILAND t.c.

Membracis jessica **sp. n.** Ecuador p. 13 fig., GODING Rev. Col. Nac. V. Rocafuerte no. **5** 1921.

Polyglyptodes flavocostatus **sp. n.** Br. Guiana p. 255 figs., HAVILAND Zoologica **6**.

Pyrgonota fenestrata **sp. n.** Philippines p. 105, BERGROTH Not. ent. **5**.

Rhexia kartabensis **sp. n.** Br. Guiana p. 244 fig., HAVILAND Zoologica **6**.

Sarantus marginalis, *similis*, *apicalis* **spp. n.** New Guinea p. 15, SCHMIDT Soc. ent. **40**.

Telemona tiliae p. 203, *gibbera*, *tarda* p. 204, *woodruffi*, *vestita* p. 205, **spp. n.** N. America, BALL J. Wash. Acad. Sci. **15**.—*T. spinigera* **sp. n.** Br. Guiana p. 257 fig., HAVILAND Zoologica **6**.

Telingana scutellata **sp. n.** Yunnan p. 480, CHINA Ann. Mag. N. H. (9) **16**.

Telonaca tremulata **sp. n.** Utah p. 203, BALL J. Wash. Acad. Sci. **15**.

Tomogonia camposiana **sp. n.** Ecuador p. 13 fig., GODING Rev. Col. Nac. V. Rocafuerte no. **5** 1921.

Trajopa guianae p. 247, *occulta* p. 248, **spp. n.** Br. Guiana figs., HAVILAND Zoologica **6**.

Tropidaspis minor p. 259, *cornuta* p. 261, **spp. n.** Br. Guiana figs., HAVILAND t.c.

Tropidoscyta bulbosa p. 236, *neglecta*, *pruinosa* p. 237, **spp. n.** Br. Guiana figs., HAVILAND t.c.

Umbonia erecta **sp. n.** Ecuador p. 13, fig., GODING Rev. Col. Nac. V. Rocafuerte no. **5** 1921.

Vanduzea testudinea **sp. n.** Br. Guiana p. 251 fig., HAVILAND Zoologica **6**.

†SCYTINOPTERIDAE.

†*Tipuloidea* see *Wielandia*.

†*Wielandia* **n. n.** for *Tipuloidea* Wieland p. 676, TILLYARD Nature **116**.

CERCOPIDAE.

Classification and synopsis of Cercopidae of Ecuador, GODING Rev. Col. Nac. V. Rocafuerte no. **11–12** 1923 pp. 45–52 fig.

Notes and descriptions of Cercopidae of Cuba, METCALF & BRUNER Psyche **32** pp. 95–105.

†*Aphrophora protocalla* **sp. n.** Siberia p. 8 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.—*A. alni* **f. n.** *fuscata* Bavaria p. 11, HAUPT Mitt. münchn. ent. Ges. **15.**

Cercopis harmandi Darjiling, *nigronervosa* Shanghai, **spp. n.** p. 296, LALLEMAND Bull. Mus. Paris **1924.**—*C. seminiger* and *C. fusca* see *Paracercopis.*

Clastoptera flavidorsa p. 104, *cuba* p. 105, **spp. n.** Cuba, METCALF & BRUNER Psyche **32.**

Clovia obliqua p. 202, *deplanata* Sumatra, *villosa* Borneo p. 206, *seguyi* Malaya, *similis* p. 203, *signata* p. 204, *geniculata* p. 205, New Guinea, **spp. n.,** LALLEMAND Bull. Mus. Paris **1924.**

Dasyoptera **gen. n.** (near *Aphrophora*) *variegata* **sp. n.** Cuba p. 102, METCALF & BRUNER Psyche **32.**

Enocomia maestralis **sp. n.** Cuba p. 101, METCALF & BRUNER Psyche **32.**

Eoscarta nobilis p. 298, *meridionalis* p. 299, **spp. n.** S. India, LALLEMAND Bull. Mus. Paris **1924.**—*E. roseinervis* Singapore p. 39, *flavipes* Borneo p. 40, **spp. n.,** SCHMIDT Soc. ent. **40.**

Eulepyroniella **n. n.** for *Lepyroniella* p. 112, SCHMIDT Ent. Mitt. **14.**

/E

Goscarta fuscipennis see *Paracercopis.*

Haematoscarta flavifrons **sp. n.** N. S. Wales p. 40, SCHMIDT Soc. ent. **40.**

Hindola longipennis **sp. n.** New Caledonia p. 297, LALLEMAND Bull. Mus. Paris **1924.**

Hyboscarta melichari **sp. n.** Brazil p. 492, LALLEMAND t.c.

Leocomia grisea p. 97, *balloui*, *nagua* p. 98, *maestralis* p. 99, *pileae*, *fulva* p. 100, **spp. n.** Cuba, METCALF & BRUNER Psyche **32.**

Lepyronia robusta **sp. n.** Cuba p. 103, METCALF & BRUNER Psyche **32.**

Lepyroniella see *Eulepyroniella.*

†*Megacercopis* **gen. n.** p. 9, *optima* **sp. n.** Siberia p. 10 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Mioscarta darjilingii **sp. n.** Darjeeling p. 299, LALLEMAND Bull. Mus. Paris **1924.**—*M. lutea* **sp. n.** Philippines p. 36, SCHMIDT Soc. ent. **40.**

Monecphora fluvialis p. 380, *moreirae*, *ferranti* p. 381, *decorata* p. 382, *coerulea*, *fortunata* p. 383 Brazil, *pallida* Guiana p. 382, *longitudinalis* Cayenne p. 384, *carbonaria* Colombia p. 385, **spp. n.,** LALLEMAND Bull. Mus. Paris **1924.**—*M. flavifascia* **sp. n.** Cuba p. 96, METCALF & BRUNER Psyche **32.**

Paracercopis **gen. n.** for *Cercopis seminiger* Mel., *C. fusca* Mel., *Goscarta fuscipennis* Haupt p. 4, SCHMIDT Soc. ent. **40.**

Perinoia pseudobadia **sp. n.** New Guinea p. 207, LALLEMAND Bull. Mus. Paris **1924.**

Peuceptyelus meridionalis **sp. n.** S. India p. 297, LALLEMAND t.c.

Philaenus haupti **sp. n.** Central Asia p. 109, ZACHVATKIN Ent. Mitt. **14.**

†*Philagra* (?) *kudiana* **sp. n.** Siberia p. 8 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Ptyelus spumarius respiratory system p. 205 figs., BROCHER Ann. Biol. lac. **13.**—*P. calatus* Loyalty Is., *novaecaledoniae* New Caledonia **spp. n.** p. 295, LALLEMAND Bull. Mus. Paris **1924.**

Sepullia peregrina **sp. n.** Damaraland p. 174, HESSE Ann. S. Afr. Mus. **23.**

Sphenorhina peruana p. 490, *lemoulti* p. 491 Peru, *translucida* Ecuador p. 490, **spp. n.,** LALLEMAND Bull. Mus. Paris **1924.**

Tomaspis bipunctata Colombia, *seguyi* Ecuador p. 378, *ravidella* Bolivia, *lunulata* Fr. Guiana p. 379 **spp. n.,** LALLEMAND Bull. Mus. Paris **1924.**

Triecphora vulnerata life-history England p. 133, CHINA Ent. Mo. Mag. **61.**—*T. speciosa* Peru p. 491, *bahiana* Brazil **spp. n.**; *proeminiata* **var. n.** *chiriquensis* Colombia p. 492, LALLEMAND Bull. Mus. Paris **1924.**

Yunnana **gen. n.** *vera* **sp. n.** Yunnan p. 482 figs., CHINA Ann. Mag. N. H. (9) **16.**

JASSIDAE (CICADELLIDAE).

The Cicadellidae of the vicinity of Ithaca, New York, with special reference to the structure of the gonapophyses with various keys, BUYS Cornell Univ. Agric. Expt. Sta. Mem. **80** 1924 115 pp. fig.

The grape leafhoppers of Bluegrass, Kentucky, JEWETT Kentucky Agric. Expt. Sta. Bull. **254** 1924 130 pp.

Monograph of the Cicadellinae, MELICHAR Ann. Mus. Hung. **21** 1924 pp. 195–243.

Acinopterus aridellus **sp. n.** S. California p. 22, OSBORN Pan-Pacific Ent. **2.**

Alconeura **gen. n.** (near *Dikraneura*) key p. 334, *rotundata* (type) Iowa p. 335, *planata* Utah p. 337, **spp. n.** figs., BALL & DE LONG Ann. Ent. Soc. Amer. **18.**

Alebra terminalis **sp. n.** Bolivia p. 451, OSBORN Ann. Carnegie Mus. **15** 1924.

Aligia californica p. 411, *colei* p. 412 **spp. n.**; *modesta* **subsp. n.** *occidentalis* p. 413, California, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Athysanus lindbergi **n. n.** for *fraterculus* Reut. nec Berg. p. 160, *harrarensis* **n. n.** for *similis* Mel. nec Kirschb., *kumaonis* **n. n.** for *coronatus* Dist. nec Berg., p. 537, BAKER Phil. J. Sci. **27.**—See *Euscelis.*

Aulacizes coriacea see *Yunga.*

Bythoscopus pallidus p. 388, *nigrifrons* p. 389, **spp. n.** Brazil, OSBORN Ann. Carnegie Mus. **15** 1924.

Chlorita lybica **sp. n.** N. Africa p. 63 fig., DE BERGEVIN L'Agric. colon. **16** 1922.

Cicadula revision p. 19 figs., HAUPT Mitt. münchn. ent. Ges. **15.**—*C. awae* **sp. n.** N. Z. and Chatham Islands p. 182 figs., MYERS Rec. Canterbury Mus. **2** 1924.

Deltocephalus distanti **n. n.** for *capitatus* Dist. nec Mats., *ceylonensis* **n. n.** for *bimaculatus* Mel. nec Gill. & Baker, *matsumuri* **n. n.** for *littoralis* Mats. nec Ball, *fraternellus* **n. n.** for *fraternus* Mats. nec Ball p. 537, BAKER Phil. J. Sci. **27.**—*D. xanthoneurus* Fieb. described (= *assimilis* Then. nec J. Sahlberg) Britain p. 60, EDWARDS Ent. Mo. Mag., London **61.**—*D. abdominalis* **var. n.** *vernalis* Switzerland p. 55, HOFMÄNNER Denkschr. schweiz. nat. Ges. **60** 1924.—*D. discessus* p. 416, *cahuilla* p. 417, *zephyrius* p. 418, **spp. n.** U.S.A., VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Dicyphonia picturata **sp. n.** Bolivia p. 403, OSBORN Ann. Carnegie Mus. **15** 1924.

Diestostemma niveum Venezuela p. 216, *schmidti* Costa Rica p. 222, *limatum* Brazil p. 223, *multipunctatum* Mexico p. 224, *brunneum* Brazil p. 226, **spp. n.**, MELICHAR Ann. Mus. Hung. **21** 1924.

Dikraneura marginella **n. n.** for *marginata* De Long nec Sahlb. p. 160, BAKER Phil. J. Sci. **27.**—*D.*, key p. 325, *elongata* p. 327, *angustata* p. 328 U.S.A., *sandersi* Panama p. 332, **spp. n.** figs., BALL & DE LONG Ann. Ent. Soc. Amer. **18.**

Empoasca hartzelli **n. n.** for *vittata* Hartzl. nec Leth. p. 160, BAKER Phil. J. Sci. **27.**—*E. picta, decorata* **spp. n.** Brazil p. 452, OSBORN Ann. Carnegie Mus. **15** 1924.

Erythroneura apacha **n. n.** for *bipunctata* Gill. nec Mel., *kansana* **n. n.** for *scutellaris* Gill. nec H.-S., *lawsoni* **n. n.** for *dorsalis* Gill. nec Horv. p. 537, BAKER Phil. J. Sci. **27.**—*E. hubbardi* p. 35, *erosa* p. 36 **spp. n.**, *abolla* **var. n.** *divisa*; *maculata* **varr. n.** *confirmata* p. 37, *parallela* p. 38; *comes* **varr. n.** *bidens, suffusa* p. 39, U.S.A., MCATEE Florida Ent. **8** 1924.

Euacanthus interruptus **f. n.** *rubescens* Bavaria p. 12, HAUPT Mitt. münchn. ent. Ges. **15.**

Eugnathodus lineatus **sp. n.** Bolivia p. 449, OSBORN Ann. Carnegie Mus. **15** 1924.

Euscelis (olim *Athysanus*) *ragusai* p. 230, *punctinervis* p. 231, **spp. n.** Sicily fig., HAUPT Mem. Soc. ent. ital. **3.**—*E. gentilis* p. 420, *almus* p. 421, *finitimus* p. 422, **spp. n.** U.S.A., VAN DUZEE Proc. Cal. Acad. Sci. (4) **14.**

Eutettix mimicus Bolivia p. 414, *reticulatus* Colombia p. 415, **spp. n.**, OSBORN Ann. Carnegie Mus. **15** 1924.

Heterostemma **gen. n.** for *Tettigonia nervosa* Sign. p. 227, *morosum* Bolivia, *dolosum* Peru p. 229, **spp. n.**, MELICHAR Ann. Mus. Hung. **21** 1924.

Homalodisca angustata p. 232, *carbonaria* p. 234, *ignota* p. 235 Brazil, *separata* Cayenne p. 238, *indefensa* Costa Rica p. 239, *ignorata* Paraguay p. 240, **spp. n.**, MELICHAR t.c.

Huleria rugosa p. 404, *affinis* p. 405, **spp. n.** Bolivia, OSBORN Ann. Carnegie Mus. **15** 1924.

Idiocerus atkinsoni, clypealis life-history in Punjab pp. 252–260, HUSAIN & PRUTHI Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*I. occipitalis* p. 390,

albicollis, *eburneomaculatus* p. 391, *breviatus* p. 392, *principensis* p. 393, *figuratus* p. 394, *vittatus* Brazil, *fulvotinctus* p. 395, *costalis* p. 392, *exquisitus*, *flammeus* p. 394 Bolivia, *flavotinctus* Fr. Guiana p. 393, *rugifrons* Br. Guiana p. 396, **spp. n.**, OSBORN Ann. Carnegie Mus. **15** 1924.

Jassus ensiger p. 435, *ferruginosus* p. 436, *fascifrons* p. 437, *dentatus* p. 439, *pallidus* p. 442, *foveatus* p. 443, *carinatus* p. 444, *triangularis* p. 446, *bisinuatus* p. 447 Brazil, *brunneus* p. 437, *spinosus* p. 438, *tubus* p. 447 Guiana, *interruptus* p. 441, *ampliatus* p. 442, *loricatus* p. 443, *carinatus* p. 444, *dubius* p. 445, *cinnamomeus* p. 446, *flavifrons* p. 448 Bolivia, **spp. n.**, OSBORN t.c.—*J. planus*, *lucidus*, *striolaris* **spp. n.** Galapagos Is. p. 91, BUTLER Proc. Zool. Soc. **1877**.

Joruma **gen. n.** *pisca* (type) Maryland p. 34, *adusta* Brazil p. 35, **spp. n.**, MCATEE Florida Ent. **8** 1924.

†*Lavrushinia* **gen. n.** p. 10, *elegantula* **sp. n.** Siberia p. 11 fig., COCKERELL Proc. U. S. Nat. Mus. **68** art. 5.

Leucopepla atropunctulata Fr. Guiana p. 211, *reticulata* Peru p. 212, **spp. n.**, MELICHAR Ann. Mus. Hung. **21** 1924.

Lonatura pupa **sp. n.** Utah p. 423, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14**.

Macropsis, Ethiopian spp. pp. 361–374, *octopunctata* p. 366, *pondoensis* p. 368, *turneri* p. 369, *brunnea* p. 371, **spp. n.** S. Africa figs., CHINA Eos **1**.

Makilingia intermedia Mel. (= *variabilis* Baker), *flavifrons* Mel. (= *bimaculata* Baker) p. 159, BAKER Phil. J. Sci. **27**.

Mesamia pagana Utah p. 409, *diana* California p. 410, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14**.

Neocoelidia ornata **sp. n.** Colombia p. 449, OSBORN Ann. Carnegie Mus. **15** 1924.

Nionia gagatina Ecuador, *major* p. 401 (with **var. n.** *brunnea*) Bolivia, *minor* no locality p. 402, **spp. n.**, OSBORN t.c.

Oniroxis **gen. n.** p. 483, *kariana* **sp. n.** Yunnan p. 484 figs., CHINA Ann. Mag. N. H. (9) **16**.

Petalocephala granulosa figured p. 317, MISRA Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.

Phlepsius lathropi **n. n.** for *annularis* Osb. & Lath. 1923 nec Osb. 1923 p. 159; *melichara* **n. n.** for *pallidus* Mel. nec Van D. p. 160, BAKER Phil. J. Sci. **27**.

Platymetopius diabolus p. 413, *planus* p. 414, *pexatus* p. 415, **spp. n.** California, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14**.

Proconia marmorata **var. n.** *boliviana* Bolivia; *esmeraldae* Venezuela p. 203, *bicolorata* Surinam, *solita* Brazil, *fusca* Ecuador p. 204, **spp. n.**, MELICHAR Ann. Mus. Hung. **21** 1924.

Scaphoideus nugax, *mirus* **spp. n.** California p. 419, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14**.

Stegelytra erythoneura **sp. n.** Sicily p. 229 fig., HAUPT Mem. Soc. ent. ital. **3**.

Tapajosa **gen. n.** (near *Homalodisca*) for *Tettigonia fulvopunctata* Sign. (with **var. n.** *concolor* Brazil) p. 242, *rufipennis* **sp. n.** Jamaica p. 243, MELICHAR Ann. Mus. Hung. **21** 1924.

Tettigonia nervosa see *Heterostemma*, *T. fulvopunctata* see *Tapajosa*.

Thamnotettix imitatus p. 231, *scalaris* p. 232, **spp. n.** Sicily fig., HAUPT Mem. Soc. ent. ital. **3**.—*T. altus* p. 417, *fuscipennis* p. 419, *clypeatus* p. 420, *magnificus* p. 424, *venatus* Bolivia, *luteus* Uruguay p. 425, *chapadensis* Brazil p. 423, **spp. n.**, OSBORN Ann. Carnegie Mus. **15** 1924.—*T. lenis* p. 423, *verutus* p. 424, **spp. n.** California, VAN DUZEE Proc. Cal. Acad. Sci. (4) **14**.—†*T. packardi* **sp. n.** Green River Eocene, Colorado p. 11 fig., COCKERELL Proc. U. S. Nat. Mus. **66** art. 19.

Typhlocyba froggatti **n. n.** for *australis* Frogg. nec Walsh, *dubiosa* **n. n.** for *dubia* Dist. nec Fieb. p. 537, BAKER Phil. J. Sci. **27**.—*T. betulicola* **sp. n.** Britain p. 64, EDWARDS Ent. Mo. Mag., London **61**.

Xestocephalus irroratus **sp. n.** Bolivia p. 400, OSBORN Ann. Carnegie Mus. **15** 1924.

Yunga **gen. n.** for *Aulacizes coriacea* Stål p. 208, *nodosula* **sp. n.** Bolivia p. 210, MELICHAR Ann. Mus. Hung. **21** 1924.

PSYLLIDAE.

Notes on California Psyllidae, CRAWFORD Proc. Hawaiian Ent. Soc. **6** pp. 30–31.

A list of the Japanese Psyllidae, KUWAYAMA Insect World **26** 1922 pp. 365–374.

S. African Psyllids, PETTEY Union S. Africa Dept. Agric. Ent. Mem. **2** 1924 pp. 21–30 figs.

Arytaina acaciae-baileyanae further description pp. 21–23, *mopanei* **sp. n.** Transvaal p. 28, figs., PETTEY t.c.

Euphalerus nigrivittatus **var. n.** *pubescens* Philippines p. 40, CRAWFORD Phil. J. Sci. **28**.—*E. ostreoides* **sp. n.** Brazil p. 62, CRAWFORD Brotéria **22**.—*E. acokantherae* p. 24, *natalensis* p. 26, *punctulatus* p. 28 Natal, *carissae* Zululand p. 29, **spp. n.** figs., PETTEY Union S. Africa Dept. Agric. Ent. Mem. **2** 1924.

Euphyllura magna notes pp. 403–405 fig., UYE Insect World **26** 1922.

Haplaphalara see *Strophingia*.

Hevaheva minuta **sp. n.** Hawaii p. 28, CRAWFORD Proc. Hawaiian Ent. Soc. **6**.

Leuronota leguminicola **sp. n.** Brazil p. 68, CRAWFORD Brotéria **22**.

Macrohomotoma key p. 36, *williamsi* Philippines p. 37, *sandakana* Borneo, *striata* India p. 38, **spp. n.** figs., CRAWFORD Proc. Hawaiian Ent. Soc. **6**.

Mesohomotoma key & notes on pp. 32–35, CRAWFORD t.c.—*M. africana* **sp. n.** Durban p. 29, PETTEY Union S. Africa Dept. Agric. Ent. Mem. **2** 1924.

Metaphalara **gen. n.** type *cannela* **sp. n.** Brazil, *Paurocephala ilicis* and *P. spegazziniana* referred to, p. 60, CRAWFORD Brotéria **22**.

Neotrioza tavaresi **sp. n.** Brazil p. 67, CRAWFORD Brotéria **22**.

Paratrioza cockerelli nymphal stages p. 47 fig., FERRIS Can. Ent. **57**.

Paurocephala spegazziniana **sp. n.** Argentine p. 103 figs., LIZER Marcellia **16** (1917) 1919.—*P. bicarinata* **sp. n.** S. Africa p. 29, PETTEY Union S. Africa Dept. Agric. Ent. Mem. **2** 1924.—*P. ilicis*, *spegazziniana* see *Metaphalara*.

Pauropsylla trichaeta **sp. n.** Transvaal p. 29, PETTEY Union S. Africa Dept. Agric. Ent. Mem. **2** 1924.

Psylla pyrisuga buccal apparatus of larva pp. 55–66 figs., BROCHER Ann. Soc. ent. Fr. **94**.—*P. itaparica* **sp. n.** Brazil p. 63, CRAWFORD Brotéria **22**.—*P. alni* nymphal stages p. 48 fig., FERRIS Can. Ent. **57**.—*P. mali* morphology & colouring pp. 267–270 figs., MINKIEWICZ Mém. Inst. nat. polon. Econ. rur. Pulawy **5** 1924; morphology pp. 589–603 figs., id. Bull. intern. Acad. polonaise Sci. & Lettres Ser. B **1924**.

Rhinocola crotalariae **sp. n.** Natal p. 29, PETTEY Union S. Africa Dept. Agric. Ent. Mem. **2** 1924.

Spanioneura quadrimaculata **sp. n.** Philippines p. 42, CRAWFORD Phil. J. Sci. **28**.

Stenopsylla key *bakeri* **sp. n.** Philippines p. 39 fig., CRAWFORD t.c.

Strophingia (= *Haplaphalara*) notes p. 41, CRAWFORD t.c.

Trioza kauaiensis, *lehua* **spp. n.** Hawaii p. 29, CRAWFORD Proc. Hawaiian Ent. Soc. **6**.—*T. ulei* **var. n.** *tenuicornis* Brazil p. 71, CRAWFORD Brotéria **22**.—*T. urticae* nymphal stages p. 47 fig., FERRIS Can. Ent. **57**.

APHIDAE.

Subterranean Aphids of Ohio, CUTRIGHT Ohio Agric. Expt. Sta. Bull. **387** pp. 175–238 figs.

A list of British Aphids, DAVIDSON Longmans, Green & Co. London 1925 xi + 176 pp.

Factors affecting the ratio of alate & apterous individuals in Aphids, EWING Amer. Nat. **59** pp. 311–326.

Notes on the Aphidae of France, keys, GAUMONT Ann. Epiphyties **9** 1923 pp. 309–346 figs.

A list of root-sucking Aphids of Coimbatore, GEORGE J. Asiat. Soc. Bengal N.S. **20** pp. 307–311 pl.

Synonymy of Walker's spp. of Aphidae, LAING Entomologist **58** p. 123.

Structure, characteristics & bionomics of Aphids, with relation to ants, keys to subfamilies & tribes, & to genera & species of Aphidinae and Pemphiginae that attack graminaceous plants, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921 72 pp. 19 figs.

The history of some Aphids from fossil times to the present day, MORDVILKO C.R. Acad. Sci. Russie Ser. A **1924** pp. 46–49.

Aphids with incomplete cycles of generations and their origins, MORDVILKO C.R. Acad. Sci. Russie Ser. A **1924** pp. 50–53.

Anholocyclic Aphids and the glacial epoch, MORDVILKO C.R. Acad. Sci. Russie Ser. A **1924** pp. 54–56.

On the theory of Aphid migrations, MORDVILKO C.R. Acad. Sci. Russie Ser. A **1924** pp. 141–144.

Heteroecy in Aphids resulting from primary polyphagy, MORDVILKO C.R. Acad. Sci. Russie Ser. A **1924** pp. 161–162.

The migration of Aphids, SHIBATA Insect World **27** 1923 pp. 219–225.

The morphology of Aphids, SHIBATA Insect World **27** 1923 pp. 398–403.

Ecological studies on Aphidae, I & II, SHIBATA Nôgaku Kwai Hô **251** 1923 pp. 13–676; **254** 1924 pp. 1–29 figs.

Some new Aphids from the prefectures of Saidama and Iwate, 11 new spp. & 1 new gen. in Japanese, SHINJI Dobuts. Z. **35** 1923 pp. 417–422, 301–309, 10 figs.

Aphidae of Formosa Part 4, TAKAHASHI Govt. Res. Inst. Taihoku, Formosa 1925 65 pp. figs.

Studies on Swedish Aphidae, TULLGREN Medd. Centralanst. försöks. jordbruks. no. **280** (Ent. Avdel. no. **44**) 70 pp. figs.

Akkaia **gen. n.**, *polygoni* **sp. n.** no locality pp. 439–442, TAKAHASHI Insect World **23** 1919. [Also in Japanese.]

Aleurodaphis mikaniae **sp. n.** Formosa p. 51, TAKAHASHI Aphididae of Formosa **4.**

Allaphis caricis **subsp. n.** *amurensis* Siberia p. 58, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Amphorophora revision 73 pp., key to females p. 5, *alni* Maine p. 9, *azaleae* p. 11, *borealis* p. 12, *braggi* p. 13 **spp. n.** U.S.A., *cosmopolitana* **n. n.** for *lactucae* Kalt. nec L. p. 16, *davidsoni* **sp. n.** Maine p. 26, *essigwanai* **n. n.** for *Rhopalosiphum indicum* Ess. & Kuw. nec v. d. Goot p. 29, *hayhursti* Missouri p. 31, *laingi* U.S.A. Europe p. 32, *maxima* p. 35, *minima*, *mitchelli* p. 36, *morrisoni* p. 37 U.S.A., *pallida* Mexico p. 48, *pergandei* p. 49, *reticulata*, *rhododendronia* p. 51 U.S.A., *takahashii* Formosa, *vaccinii* New Jersey p. 67, **spp. n.** figs., MASON Proc. U. S. Nat. Mus. **67** art. 20. —*A. viburni* p. 23, *katoi* p. 25, **spp. n.** Formosa figs., TAKAHASHI Aphididae of Formosa **4.**

Anoecia pskovica **sp. n.** Russia p. 61, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Aphis rumicis biology pp. 472–507 figs., DAVIDSON Ann. App. Biol. **12.**—*A. forbesi* life-history pp. 441–449 figs., MARCOVITCH J. Agric. Res. **30.**—*A. lantanaella* p. 77, *oxalina* p. 78, **spp. n.** Britain figs., THEOBALD Ent. Mo. Mag. **61.**—*A. soyogo* **sp. n.** Japan p. 6 figs., UYE Insect World **27** 1923.—*A. gossypii* description & bionomics pp. 121–134 figs., VAYSSIÈRE & MIMEUR Agron. colon. no. **88.**

Aresha **gen. n.**, *shelkovnikovi* **sp. n.** Caucasus p. 54, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Brachycolus slavae **sp. n.** N. Russia p. 46, MORDVILKO t.c.

Cerataphis bambusifoliae **sp. n.** Formosa p. 50 fig., TAKAHASHI Aphididae of Formosa **4.**

Chaitophorus abnormis **sp. n.** England p. 80 figs., THEOBALD Ent. Mo. Mag. **61.**

Dilachnus orientalis p. 37, *taiwanus* p. 39, *liquidambarus* p. 42, **spp. n.** Formosa, TAKAHASHI Aphididae of Formosa **4.**

Dreyfusia in Britain 29–61, *nüsslini* life-history pp. 35–59 figs., CHRYSTAL Phil. Trans. R. Soc. London Ser. B. **214.**

Eriosoma lanigerum biology in Italy, DEL GUERCIO Agric. Colon. **19** pp. 98–104 etc. figs.

Forda proximalis, *mokrzeckyi* p. 66, *polonica*, *pskovensis* no locality, *wilsoni* N. America p. 67, **spp. n.**, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Formosaphis **gen. n.** (Melaphidini) p. 52, *micheliae* **sp. n.** Formosa p. 53 figs., TAKAHASHI Aphididae of Formosa **4.**

Geoica floccosa **sp. n.** Brazil p. 31 fig., MOREIRA Minist. Agric., Inst. biol. Defesa agric. Bol. **2.**—*G. cyperi* see *Schoutedenia.*

Geoktapia **gen. n.**, *areshensis* **sp. n.** E. Transcaucasia p. 53, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Gootiella **gen. n.** (near *Pachypappella*) p. 22, *tremulae* **sp. n.** Sweden p. 24 fig., TULLGREN Medd. Centralanst. no. **280.**

Greenidea key to Formosan spp. p. 29, *tattakana* p. 30, *myricae* p. 31, *mangiferae* p. 33, *mushana* p. 35, **spp. n.** Formosa, figs., TAKAHASHI Aphididae of Formosa **4.**

Hayhurstia **gen. n.** for *dactylidis* Hayhurst p. 45, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Hemitrama **gen. n.** *bykovi* **sp. n.** Transcaucasia p. 63, MORDVILKO t.c.

Hyadaphis sparganii p. 74, *coniellum* p. 75, **spp. n.** Britain figs., THEOBALD Ent. Mo. Mag. **61.**

Idiopterus brasiliensis **sp. n.** Brazil p. 26 fig., MOREIRA Minist. Agric., Inst. biol. Defesa agric. Bol. **2.**

Lachnus juniperensis p. 526, *engelmanniensis* p. 527, **spp. n.** Colorado figs., GILLETTE & PALMER Ann. Ent. Soc. Amer. **18.**—*L. niitakayamensis* **sp. n.** Formosa p. 36, TAKAHASHI Aphididae of Formosa **4.**

Longistigma caryae digestive tract pp. 244–249 figs., KNOWLTON Ohio J. Sci. **25.**

Macrosiphoniella balsamines ♀ described Britain p. 71, THEOBALD Ent. Mo. Mag. **61.**

Macrosiphum solanifolii life-cycle & genetics of colour p. 289, SHULL Amer. Nat. **59.**—*M. itoe* **sp. n.** Formosa p. 11 figs., TAKAHASHI Aphididae of Formosa **4.**—*M. amygdaloides* p. 72, *corallinum* p. 73, *phillipsi* p. 79 **spp. n.**; *loti* described p. 73 Britain figs., THEOBALD Ent. Mo. Mag. **61.**—*M. lonicerae* **sp. n.** Japan p. 4 figs., UYE Insect World **27** 1923.

Matsumuraja formosana **sp. n.** Formosa p. 22 figs., TAKAHASHI Aphididae of Formosa **4.**

Myzocallis mushensis **sp. n.** Formosa p. 45 figs., TAKAHASHI t.c.

Myzus (*Rhopalomyzus* **subgen. n.**) p. 45, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.—*M. montanus* **sp. n.** Formosa p. 17 figs., TAKAHASHI Aphididae of Formosa **4.**—*M. hydrocotylae* **sp. n.** Britain p. 73, THEOBALD Ent. Mo. Mag. **61.**—*M. cerasi* forms described, life-history pp. 85–94 figs., WIMSHURST Bull. Ent. Res. **16.**

Oregma tattakana **sp. n.** Formosa p. 47 figs., TAKAHASHI Aphididae of Formosa **4.**

Pachypappa grandis **sp. n.** Sweden p. 17 fig., TULLGREN Medd. Centralanst. no. **280.**

Paracletus portshinskyi **sp. n.** W. Asia & S. Europe p. 63, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Pteriaphis **gen. n.**, p. 342, GAUMONT Ann. Epiphyties **9** 1923.

Rectinasus caucasicus **sp. n.** Caucasus p. 61, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Rhopalomyzus **subgen. n.** see *Myzus*.

Rhopalosiphum rumicis **sp. n.** England p. 76 figs., THEOBALD Ent. Mo. Mag. **61.**—*R. indicum* Ess. & Kuw. nec v. d. Goot see *Amphorophora essigwanai*.

Schoutedenia **gen. n.** for *Geoica cyperi* Schout. p. 63, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Sipha uvarovi, *kurdjumovi* p. 56, *arenarii*, *tshernavini* p. 57, **spp. n.** no locality, MORDVILKO t.c.

Siphonaphis padi **subsp. n.** *americana* N. America p. 53, MORDVILKO t.c.

Stomaphis liquidambarus **sp. n.** Formosa p. 43, TAKAHASHI Aphididae of Formosa **4.**

Toxoptera jaroslava **sp. n.** Russia p. 48, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.—*T. pyricola* Mats. (= *punjabipyri* Das) pp. 103–104, TAKAHASHI Trans. Formosan Nat. Hist. Soc. **15.**—*T. rhododendroni*, *shichito* **spp. n.** Japan p. 3 figs., UYE Insect World **27** 1923.—*T. rhododendroni*, *shichito* see *Vesiculaphis caricis*.

Tychea silvestrii **sp. n.** no locality p. 72, MORDVILKO Bull. Sta. rég. Prot. Plantes Petrograd **3** 1921.

Vesiculaphis caricis life-history & synonymy pp. 218–223, 254–260 figs., UYE Insect World **29.**

ALEURODIDAE.

Aleurodicus flumineus **sp. n.** Brazil p. 211, HEMPEL Rev. Mus. Paul. **10** 1918.

Trialeurodes vaporariorum sex-determination p. 428, THOMSEN Nature **116.**

COCCIDAE.

Supplement to a monograph of the Lacciferidae (Tachardiinae) or lac insects, CHAMBERLIN Bull. Ent. Res. **16** pp. 31–41.

The generic types of the Diaspidae, FERRIS Bull. Ent. Res. **16** pp. 163–167 figs.

Catalogue of the Coccidae of the Channel Is., GREEN Ann. Mag. N. H. (9) **16** pp. 516–527 5 figs.

Notes on Egyptian Coccidae, HALL Minist. Agric. Egypt., Tech. & Sci. Serv. Bull. **64** 31 pp. 6 pls.

Classification and synonymy of Coccidae of Brazil, HEMPEL Cat. Fauna brazileira **3** 1912 pp. 1–77.

Studies on Japanese Monophlebinae, KUWANA Imp. Plant Quar. Sta. 1922 Bull. **1** 58 pp.; **2** 43 pp. figs.

Diaspine Coccidae of Japan I–III, KUWANA Imp. Plant Quar. Serv. Tech. Bulls. **1** 18 pp. 3 pls.; **2** 42 pp. 11 pls.; **3** pp. 1–20 7 pls.

List of Coccidae in the Pusa collection, MISRA Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 345–351.

Classification of scale-insects of the subfamily Ortheziinae, MORRISON J. Agric. Res. **30** pp. 97–154 figs.

Further contribution to our knowledge of S. Indian Coccidae, RAMAKRISHNA AYYAR Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 339–344.

Preliminary note on the Monophlebinae, key to genera, VAYSSIÈRE Ann. Epiphyties **9** 1923 pp. 419–429 fig.

Coccids new to the German fauna, WÜNN Ent. Mitt. **14** pp. 202–205.

The Coccidae of Baden, WÜNN Zs. angew. Ent. **11** pp. 273–296, 427–451.

Coccidae of Alsace Lorraine, WÜNN Zs. wiss. Insektenbiol. **20** pp. 114–124, 239–248.

Aclerda review pp. 432–440, key p. 435, *holci* Louisiana p. 438, *sacchari* Porto Rico p. 439, **spp. n.** figs., TEAGUE Ann. Ent. Soc. Amer. **18.**

Antonina indica **var. n.** *panica* Egypt p. 6 fig., HALL Minist. Agric. Egypt Tech. & Sci. Serv. Bull. **64.**

Aonidiella leivasi **sp. n.** Brazil p. 197 fig., DA COSTA LIMA Egatea **9** 1924.

Aspidiotus jaboticabae **sp. n.** Brazil p. 206, HEMPEL Rev. Mus. Paul. **10** 1918.—*A. ostreaeformis* **var. n.** *aegyptiacus* Egypt p. 12, HALL Minist. Agric. Egypt Tech. & Sci. Serv. Bull. **64.**

Aspidoproctus hyphaeniacus **sp. n.** Egypt p. 1 figs., HALL t.c.—*Aspidoproctus* Newst. (= *Lophococcus* Ckll.) p. 428, VAYSSIÈRE Ann. Epiphyties **9** 1923.

Asterolecanium fimbriatum food-plants & galls, Provence p. 117, COTTE Marcellia **15** 1917.

Ceroplastes excaecariae **sp. n.** Brazil pp. 66, 67 fig., HEMPEL Cat. Fauna brazileira **3** 1912.—*C. rhizophorae* **sp. n.** Brazil p. 201, HEMPEL Rev. Mus. Paul. **10** 1918.—*C. psidii* **sp. n.** Brazil pp. 346, 369, HEMPEL op. cit. **12** 1920 Pt. II.

Ceroplastodes melzeri p. 56, *bahiensis* p. 58, *theobromae* p. 59, *costa-limae* p. 60, **spp. n.** Brazil fig., BONDAR O Cacao, Parte II.—*C. ritchiei* **sp. n.** Tanganyika p. 55 figs., LAING Bull. Ent. Res. **16.**

Chionaspis noaeae **sp. n.** Egypt p. 13 fig., HALL Minist. Agric. Egypt Tech. & Sci. Serv. Bull. **64.**—*C. hargreavesi* **sp. n.** Uganda p. 61 fig., LAING Bull. Ent. Res. **16.**

Coccus pela wax-production China p. 100 figs., WILSON A Naturalist in Western China **2** 1913.

Cryptostigma saundersi **sp. n.** Brazil p. 59 figs., LAING Bull. Ent. Res. **16.**

Cyphococcus **gen. n.** *caesalpiniae* **sp. n.** Uganda p. 56 figs., LAING t.c.

Dactylopius vitis, *calceolariae* see *Pseudococcus.*

Diaspis minensis **sp. n.** Brazil p. 205, HEMPEL Rev. Mus. Paul. **10** 1918.

Drosicha Walker (= *Warajicoccus* Kuwana) p. 427, VAYSSIÈRE Ann. Epiphyties **9** 1923.

Eriococcus hoheriae in Scilly p. 35 figs., GREEN Ent. Mo. Mag. **61.**

Eulecanium melzeri **sp. n.** Brazil pp. 351, 374, HEMPEL Rev. Mus. Paul. **12** 1920 Pt. II.

Farinococcus simmondsi **sp. n.** New Britain p. 54 figs., LAING Bull. Ent. Res. **16.**

Fiorinia key to Japanese spp. p. 2, *euryae* p. 13, *vacciniae* p. 15, **spp. n.** Japan figs., KUWANA Imp. Plant Quar Serv. Tech. Bull. **3.**

Halimococcus nesiotes **sp. n.** Lord Howe I. p. 51 figs., LAING Bull. Ent. Res. **16.**

Icerya genistae **sp. n.** Brazil pp. 55, 57, HEMPEL Cat. Fauna brazileira **3** 1912.—*I. luederwaldti* **sp. n.** Brazil p. 197, HEMPEL Rev. Mus. Paul. **10** 1918.—*I. chilensis* Chile pp. 333, 357, *flava* pp. 334, 358, *paulista* pp. 336, 360, *taunayi* pp. 340, 364 Brazil, **spp. n.**; *purchasi* **var. n.** *citriperda* pp. 337, 361; *schrottkyi* ♀ additional description pp. 339, 363, HEMPEL op. cit. **12** 1920 pt. ii.—*I.* key to Japanese p. 2, *purchasi* p. 12, *seychellarum* p. 30 biology, KUWANA Imp. Plant Quar. Serv. Bull. **2** 1922.

Kuwania pini **sp. n.** England p. 34 figs., GREEN Ent. Mo. Mag. **61.**

Kuwanina hilli **sp. n.** Queensland p. 55 fig., LAING Bull. Ent. Res. **16.**

Laccifer key p. 33, *javanus* Java p. 34, *rangoonensis* Rangoon p. 35, **spp. n.** figs., CHAMBERLIN Bull. Ent. Res. **16.**

Lacciferinae **subfam. n.** p. 32, CHAMBERLIN t.c.

Lachnodiella taquarae **sp. n.** Brazil pp. 345, 368, HEMPEL Rev. Mus. Paul. **12** 1920 pt. ii.

Lecanium coryli further description p. 232 figs., FERRIS Can. Ent. **57.**—*L. inopheron* **sp. n.** Uganda p. 57 figs., LAING Bull. Ent. Res. **16.**

Lepidosaphes chinensis **sp. n.** Canton p. 85 figs., CHAMBERLIN Pan-Pacific Ent. **2.**—*L. laterochitinosa* **sp. n.** England p. 41 figs., GREEN Ent. Mo. Mag. **61.**—*L. ulmi* biology, morphology pp. 1–55, figs., GRISWOLD Cornell Univ. Agric. Expt. Sta. Mem. **93.**—*L.*, key to Japanese spp. p. 3, *kamakurensis* p. 18, *yanagicola* p. 19, *kuwacola* p. 23, *ume* p. 25, *cymbidicola* p. 27, *celtis* p. 28, *okitsuensis* p. 33, **spp. n.** Japan figs., KUWANA Imp. Plant Quar. Serv. Tech. Bull. **2.**—*L. marshalli* New Zealand p. 64, *diplasia* Tanganyika p. 65, **spp. n.** figs., LAING Bull. Ent. Res. **16.**

Leucaspis knemion **sp. n.** Syria p. 36 fig., HOKE Proc. Ent. Soc. Wash. **27.**

Lophococcus see *Aspidoproctus.*

Marchalina **gen. n.** for *Palaeococcus hellenicus* Gennadius p. 427 fig., VAYSSIÈRE Ann. Epiphyties **9** 1923.—*M.*, further description p. 228, *hellenica* further description p. 229, *azteca* **sp. n.** Mexico p. 230 figs., FERRIS Can. Ent. **57.**

Megalecanium **gen. n.** (near *Mesolecanium*) *testudinis* **sp. n.** Brazil pp. 352, 375, HEMPEL Rev. Mus. Paul. **12** 1920 pt. ii.

Megasaissetia brasiliensis **sp. n.** Brazil pp. 68, 69, HEMPEL Cat. Fauna brazileira **3** 1912.—*M. nectandrae* **sp. n.** Brazil p. 203, HEMPEL Rev. Mus. Paul. **10** 1918.

Mesolecanium lucidum **sp. n.** Brazil pp. 67, 68, HEMPEL Cat. Fauna brazileira **3** 1912.—*M. argaformis* pp. 346, 370, *marmoratum* pp. 348, 371, *uvicola* pp. 349, 372, *ferum* pp. 350, 373, **spp. n.** Brazil, HEMPEL Rev. Mus. Paul. **12** 1920 pt. ii.

Mixorthezia **gen. n.** *cubana* **sp. n.** Cuba p. 151 fig., MORRISON J. Agric. Res. **30.**

Monophlebus in India, pp. 336–337, GREEN Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924.—*M. townsendi* Ckll. (= *philippinensis* Green) p. 31, GREEN Not. ent. **5.**—*M. niveus* **sp. n.** Brazil pp. 331, 355, HEMPEL Rev. Mus. Paul. **12** 1920 Pt. II. — *M.* Burm. (=*Tessarabolus* Montr.) p. 427, VAYSSIÈRE Ann. Epiphyties **9** 1923.—*M. corpulentus* see *Warajicoccus.*

Neolecanium subterraneum **sp. n.** Brazil p. 202, HEMPEL Rev. Mus. Paul. **10** 1918.—*N. ferum* see *Mesolecanium.*

Newsteadia americana **sp. n.** Maryland p. 147 figs., MORRISON J. Agric. Res. **30.**

Nipponorthezia, Orthezinella hispanica Silv., *neotropicalis* Silv, transferred to, p. 154, MORRISON t.c.

Operculaspis **gen. n.** p. 62, *crinitus* **sp. n.** Tanganyika p. 63 figs., LAING Bull. Ent. Res. **16.**

Orthezia grandis pp. 342, 365, *longipes* pp. 343, 367, **spp. n.** Brazil, HEMPEL Rev. Mus. Paul. **12** 1920 Pt. II.—*O. balloui* Cuba p. 112, *boliviana* Bolivia p. 115, *mexicana* Mexico p. 126, *minor* Cuba p. 127, *pseudograminis* Colorado p. 135, *tillandsiae* Florida p. 138, **spp. n.** figs., MORRISON J. Agric. Res. **30.**

Orthezinella hispanica, neotropicalis see *Nipponorthezia.*

Ortheziopa **gen. n.**, *reynei* **sp. n.** Dutch Guiana p. 383 fig., LAING Bull. Ent. Res. **15**.

Palaeococcus hellenicus see *Marchalina*.

Phenacaspis australis **sp. n.** New South Wales p. 61 fig., LAING Bull. Ent. Res. **16**.

Phenacoccus serratus **sp. n.** N. America p. 231 fig., FERRIS Can. Ent. **57**.—*P. minutus* **sp. n.** Guernsey p. 519 figs., GREEN Ann. Mag. Nat. Hist. (9) **16**.—*P. inermis* **sp. n.** Egypt p. 7 fig., HALL Minist. Agric. Egypt Tech. & Sci. Serv. Bull. **64**.—*P. trinidadensis* **sp. n.** Trinidad p. 52 fig., LAING Bull. Ent. Res. **16**.

Platylecanium cocotis **sp. n.** New Hebrides p. 59 figs., LAING t.c.

Pseudococcus adenostomae **sp. n.** California p. 236 fig., FERRIS Can. Ent. **57**.—*P. dactylis* p. 523, *tomlini* p. 525, **spp. n.** Guernsey figs., GREEN Ann. Mag. N. H. (9) **16**. — *P. phalaridis* p. 37, *peregrinus* p. 40, **spp. n.** England figs., GREEN Ent. Mo. Mag. **61**.—*P. aegyptiacus* **sp. n.** Egypt p. 8 fig., HALL Minist. Agric. Egypt Tech. & Sci. Serv. Bull. **64**.—*P. cryptus* **sp. n.** Brazil p. 199, HEMPEL Rev. Mus. Paul. **10** 1918.—*P. comstocki* anal lobe pp. 52–54 fig., HOUGH Ent. News **36**; biology 27 pp. figs., HOUGH Virginia Polytech. Inst. Agric. Expt. Sta. Tech. Bull. **29**.—*P. hargreavesi* p. 52, *ugandae* p. 53, **spp. n.** Uganda figs., LAING Bull. Ent. Res. **16**.—*P. calceolariae* discussion on identity p. 485, redescribed p. 492, key to spp. confused with p. 497 figs., *ambiguus* **sp. n.** New Zealand p. 488, *boninsis* redescribed p. 489, figs., MORRISON J. Agric. Res. **31**.—*P.* (*Dactylopius*) *vitis* symbiosis p. 513, VIALA Rev. sci. **62** 1924.

Pseudoparlatoria argentata **sp. n.** Brazil pp. 63, 65, HEMPEL Cat. Fauna brazileira **3** 1912.

Pulvinaria ornata **sp. n.** Brazil pp. 61, 62, HEMPEL t.c.—*P. maxima* bionomics pp. 127–155 figs., RAMAKRISHNA AYYAR Mem. Dept. Agric. India **8**.

Rhizoecus coffeae **sp. n.** Dutch Guiana p. 384 fig., LAING Bull. Ent. Res. **15**.

Ripersia taquarae **sp. n.** Brazil pp. 58, 59, HEMPEL Cat. Fauna brazileira **3** 1912.

Saissetia lucida **sp. n.** Brazil p. 60, HEMPEL t.c.

Tachardininae **subfam. n.** p. 40, CHAMBERLIN Bull. Ent. Res. **16**.

Tessarabolus see *Monophlebus*.

Trionymus masrensis **sp. n.** Egypt p. 10 fig., HALL Minist. Agric. Egypt Tech. & Sci. Serv. Bull. **64**.—*T. trifolii* internal anatomy pp. 25–29 figs., HOUGH Bull. Ent. Res. **16**.—*T. danthoniae* **sp. n.** New Zealand p. 494, *diminutus* redescribed p. 495, figs., MORRISON J. Agric. Res. **31**.

Warajicoccus **gen. n.** p. 7, for *Monophlebus corpulentus* Kuwana, description and biology p. 8, *pinicola* p. 29, *howardi* p. 40, **spp. n.** Japan figs., KUWANA Imp. Plant Quar. Sta. Bull. **1** 1922.—See *Drosicha*.

THYSANOPTERA.

List of Swedish Thysanoptera, AHLBERG Ent. Tidskr. **46** pp. 152–156.

List of Thysanoptera in European and Asiatic Russia, JOHN Ent. Mitt. **14** pp. 19–23.

Thysanoptera collected on Dr. E. Mjöberg's Swedish scientific expeditions to Australia 1910–1913, KARNY Ark. Zool. **17a** no. 2 1924 pp. 1–56 figs.

Key to Thysanoptera on tobacco in Java and Sumatra, KARNY Bull. Deli Proefst. no. **23** p. 52.

Monograph of Rumanian Thysanoptera, KNECHTEL Bulet. agric. **2–3** 1923 pp. 1–235 and viii in Supplement 53 figs. 24 pls.

Historical and bibliographical notes on Chilean Thysanoptera, PORTER Rev. chil. Hist. nat. **28** 1924 pp. 36–42.

Catalogue of European Thysanoptera, PRIESNER Konowia **4** pp. 141–159.

Contribution to knowledge of the Thysanoptera of Ceylon, SCHMUTZ Sitz. Akad. Wiss. Wien **122** 1913 pp. 991–1089 6 pls.

Notes on the Aeolothripidae with keys, TREHERNE Proc. Ent. Soc. Br. Columbia **12** 1919 pp. 27–83 1 pl.; **16** 1921 pp. 7–15.

Characters and systematic position of Physapoda, WILLAUME Rev. Zool. agric. & apl. **24** pp. 1–12, 36–46, 53–59 figs.

Adiaphorothrips amplus **sp. n.** Florida p. 221, HOOD Can. Ent. **57**.—*A. pallicornis* **sp. n.** Queensland p. 34, KARNY Ark. Zool. **17a** no. 2 1924.

Adraneothrips **gen. n.** for *Haplothrips tibialis* Hood; *simulator* Trinidad p. 54, *abdominalis* W. Indies, *alternatus* Trinidad and Panama p. 55, *fuscicollis* St. Lucia, *uniformis* Trinidad p. 56, **spp. n.**, HOOD PSYCHE **32**.

Aeolothrips nobilis **sp. n.** Tyrol p. 21, PRIESNER Zs. österr. Ent.-Ver. **6** 1921. —*A.* key p. 30 figs., TREHERNE Proc. Ent. Soc. Br. Columbia **12** 1919.

Anaphothrips decolor **sp. n.** Colorado p. 101, HOOD Ent. News **36**.—*A. flavidus* **sp. n.** S. Nigeria p. 8, HOOD Proc. Ent. Soc. Wash. **27**.—*A. bicinctus* **sp. n.** Trinidad p. 50, HOOD Psyche **32**. —*A. signipennis* bionomics Queensland pp. 474–516 fig., GIRAULT Queensl. Agric. J. **23**.—*A. andreae* p. 24, *sumatrensis* p. 27, *plynopygus* p. 29, **spp. n.** Sumatra fig., KARNY Bull. Deli Proefst. no. **23**. — *A. bicolor* **sp. n.** Porto Rico p. 4, MORGAN Florida Ent. **9**.—*A. atropterus* **sp. n.** Tyrol p. 27, PRIESNER Zs. österr. Ent.-Ver. **6** 1921.—*A.* (**subgen. n.** *Hemianaphothrips*) *articulosus* **sp. n.** Hungary p. 5, PRIESNER op. cit. **10**.

Androthrips collaris **sp. n.** Sumatra p. 47, KARNY Bull. Deli Proefst. no. **23**.

Anthothrips dentalis **sp. n.** Russia p. 25, SOLOWIOW Ent. Zs. **38** 1924.

Apelaunothrips **gen. n.** for *Ophidothrips medioflavus* Karny p. 82, KARNY Not. ent. **5**.

Astrothrips angulatus Grenada, Guadeloupe, Trinidad p. 50, *constrictus* Trinidad p. 51, **spp. n.**, HOOD Psyche **32**.—*A. pentatoma* **sp. n.** S. Nigeria p. 9, HOOD Proc. Ent. Soc. Wash. **27**.

Barythrips heterocerus **sp. n.** West Indies p. 66, HOOD Psyche **32**.—*B. grandicauda* **sp. n.** locality unknown p. 21, PRIESNER D. ent. Zs. **1925**.

Bradythrips **gen. n.** (near *Urothrips*), *hesperus* **sp. n.** Br. Guiana p. 68, HOOD & WILLIAMS Psyche **32**.

Bryothrips **gen. n.** (near *Allothrips*), *pillichellus* **sp. n.** Hungary p. 6 fig., PRIESNER Zs. österr. Ent.-Ver. **10**.

Cercothrips afer **sp. n.** Sudan p. 311, PRIESNER Zool. Jahrb. Abt. Syst. **50**.

Cercyothrips **gen. n.**, *striatus* **sp. n.** Porto Rico p. 1, MORGAN Florida Ent. **9**.

Chelaeothrips exunguis **sp. n.** Sumatra p. 44 fig., KARNY Bull. Deli Proefst. no. **23**.—*C. idoliceps* **sp. n.** Fiji p. 139 fig., KARNY Bull. Ent. Res. **16**.

Chirothrips falsus **sp. n.** (with **f. n.** *adusta*) Mexico; *manicatus* **f. n.** *pallidicornis* Hungary p. 312, PRIESNER Zool. Jahrb. Abt. Syst. **50**.

Coremothrips **gen. n.** (near *Scolothrips*), *pallidus* **sp. n.** Trinidad, Panama and St. Vincent p. 52, HOOD Psyche **32**.

Cryptothrips additamentus, rhopaloides **spp. n.** Queensland p. 31 fig., KARNY Ark. Zool. **17a** no. 2 1924.— *C. gradatus* Tobago p. 64, *acuticornis* St. Croix and Barbados, *connaticornis* Trinidad p. 65, **spp. n.**, HOOD Psyche **32**.—*C. flavus* **sp. n.** Russia p. 25, SOLOWIOW Ent. Zs. **38** 1924.

Dicaiothrips mabirensis **sp. n.** E. Africa p. 308, PRIESNER Zool. Jahrb. Abt. Syst. **50**.

Diceratothripinae **subfam. n.**, key p. 82, KARNY Not. ent. **5**.

Diceratothrips wolcotti **sp. n.** Porto Rico p. 8, MORGAN Florida Ent. **9**.—*D.* key p. 26, *persimilis* **sp. n.** Surinam p. 25, PRIESNER D. ent. Zs. **1925**.

Elaphrothrips tener Mexico p. 305, *surinamensis* Surinam p. 306, **spp. n.** PRIESNER Zool. Jahrb. Abt. Syst. **50**.

Empresmothrips pallipes **sp. n.** Sumatra p. 42 fig., KARNY Bull. Deli Proefst. no. **23**.

Eurythrips harti **sp. n.** Texas p. 135, HOOD Ent. News **36**.—*E. collaris* p. 58, *gracilicornis* p. 59, **spp. n.** Trinidad, HOOD Psyche **32**.—*E. macrops* p. 219, *tarsalis* p. 220, **spp. n.** U.S.A., HOOD Can. Ent. **57**.

Euthrips bilongilineatus, biguttaticorpus **spp. n.** Queensland p. 34, GIRAULT Ins. Insc. Mens. **13**.

Frankliniella parvula West Indies, C. America p. 49, *nigricauda* Trinidad p. 50, **spp. n.**, HOOD Psyche **32**.— *F. difficilis* Fr. West Indies p. 73, *cubensis*

Cuba p. 74, *zeteki* p. 75, *panamensis* p. 76, *ameliae* p. 77 Panama, *exigua* Colorado p. 78, *genuina* Texas, *bagnalliana* Panama p. 79, *achaeta* Colorado p. 81, **spp. n.** figs., HOOD Bull. Brooklyn Ent. Soc. **20.**—*F. dampfi* **subsp. n.** *interocellaris* Eygpt p. 126 figs., KARNY Bull. Ent. Res. **16.**—*F. tabacicola* **sp. n.** Java p. 4 fig., KARNY Bull. Deli Proefst. no. **23.**—*F.* key to American p. 137, *australis* S. America p. 139, *gilmorei* p. 140, *unicolor* p. 141 Tennessee, *claripennis* Washington p. 142, *canadensis* p. 143, *trehernei* p. 144 Br. Columbia, **spp. n.**, MORGAN Can. Ent. **57.**—*F.* key and synonymy p. 14, *amabilis* **sp. n.** p. 13 Surinam; *tritici* **f. n.** *maculata* Canada p. 17, PRIESNER D. ent. Zs. **1925.**—*F. fortissima* **sp. n.** Mexico p. 311, PRIESNER Zool. Jahrb. Abt. Syst. **50.**

Fulmekiola **gen. n.** (near *Thrips*) type *interrupta* Java p. 19, *continua* Sumatra p. 22 **spp. n.** fig., KARNY Bull. Deli Proefst. no. **23.**

Gastrothrips fuscicauda p. 6, *anolis* p. 7, **spp. n.** Porto Rico, MORGAN Florida Ent. **9.**—*G. pallidus* **sp. n.** Florida p. 50, WATSON Florida Ent. **8** 1924.

Gigantothrips nigripes **sp. n.** Queensland p. 34, KARNY Ark. Zool. **17a** no. 2 1924.

Goëtothrips **gen. n.** *terrestris* **sp. n.** Mexico p. 316, PRIESNER Zool. Jahrb. Abt. Syst. **50.**

Grypothrips **gen. n.** p. 27, *mantis* **sp. n.** Queensland p. 28 fig., KARNY Ark. Zool. **17a** no. 2 1924.

Gynaikothrips uzeli **subsp. n.** *hirsutus* Uganda p. 141 fig., KARNY Bull. Ent. Res. **16.**—*G. fulmeki* **sp. n.** Sumatra p. 49 fig., KARNY Bull. Deli Proefst. no. **23.**

Hadothrips **subgen. n.** see *Haplothrips.*

Haplothrips tenuipennis bionomics pp. 69–70, ANDREWS Ind. Tea Assoc., Sci. Dept. Qtrly. J. **1925.**—*H. purpuratus* p. 101, *distalis* p. 103, **spp. n.** Arizona, HOOD Ent. News **36.**—*H. mordvilkoi* **sp. n.** Turkestan p. 18, JOHN Ent. Mitt. **14.**—*H. cahirensis* further description p. 135 figs., KARNY Bull. Ent. Res. **16.**—*H.* **subgen. n.** *Hadothrips* for (*Zygothrips*) *robiniae* Pries. p. 317, *tenebricosus* **sp. n.** Mexico p. 318, PRIESNER Zool. Jahrb. Abt. Syst. **50.**—*H. tibialis* see *Adraneothrips.*

Hemianaphothrips **subgen. n.** see *Anaphothrips.*

Heterothrips limbatus **sp. n.** New York p. 124 fig., HOOD Bull. Brooklyn Ent. Soc. **20.**

Hindsiana rhopalocera **sp. n.** Guadeloupe p. 57, HOOD Psyche **32.**—*H. dodgei* p. 26, *pullata* p. 27, **spp. n.** New York, HOOD Bull. Brooklyn Ent. Soc. **20.**

Hoplandrothrips marshalli **sp. n.** Uganda p. 131 figs., KARNY Bull. Ent. Res. **16.**

Isoneurothrips jenseni **sp. n.** Java p. 7 fig., KARNY Bull. Deli Proefst. no. **23.**

Limothrips clarus **sp. n.** Russia p. 25, SOLOWIOW Ent. Zs. **38** 1924.

Liothrips setinodis biology and morphology of early stages pp. 146–151 figs., AHLBERG Ent. Tidskr. **46.**—*L. vaneeckei* notes p. 180, HERRICK Ent. News **36.**—*L. genualis* S. Nigeria p. 10, *badius* Kamerun p. 11, **spp. n.**, HOOD Proc. Ent. Soc. Wash. **27.**—*L.*, key to African and Mediterranean spp. p. 133, *postocularis* **sp. n.** Uganda p. 134 fig., KARNY Bull. Ent. Res. **16.**—*L. priesneri* **sp. n.** Queensland p. 22 fig., KARNY Ark. Zool. **17a** no. 2 1924.

Lissothrips breviceps p. 59, *pallipes* p. 60, **spp. n.** Trinidad, HOOD Psyche **32.**—*L.* (*Prolissothrips* **subgen. n.**) *stratulus* **sp. n.** Porto Rico p. 5, MORGAN Florida Ent. **9.**

Machatothrips braueri **varr. n.** *haplodon* Uganda p. 141, *buffai* Nigeria and Belgian Congo p. 142, KARNY Bull. Ent. Res. **16.**

Macrophthalmothrips williamsi **sp. n.** Trinidad p. 63, HOOD Psyche **32.**

Megalurothrips setipennis **sp. n.** Sumatra p. 32 fig., KARNY Bull. Deli Proefst. no. **23.**

Merothrips cognatus **sp. n.** Trinidad p. 53, HOOD Psyche **32.**

Neoheegeria johni **sp. n.** Russia p. 20, PRIESNER D. ent. Zs. **1925.**

Neurothrips williamsi **sp. n.** Panama p. 63, HOOD Psyche **32.**

Oedaleothrips jacksoni **sp. n.** Colorado p. 137, HOOD Ent. News **36.**

Oedemothrips ceylonicus **sp. n.** Ceylon p. 137 fig., KARNY Bull. Ent. Res. **16.**

Ophidothrips medioflavus **sp. n.** Sumatra p. 50 fig., KARNY Bull. Deli Proefst. no. **23.**—*O. medioflavus* see *Apelaunothrips.*

Orthothrips **gen. n.** *caudatus* **sp. n.** Surinam p. 23, PRIESNER D. ent. Zs. **1925.**

Oxythrips Uzel (= *Physothrips* Karny) p. 132, HOOD Entomologist **58.** —*O. dimorphus* **sp. n.**, *ericae* **var. n.** *pallens* Adriatic p. 89 fig., PRIESNER Zs. österr. Ent.-Ver. **4** 1919.

Parthenothrips dracaenae notes pp. 181–183 figs., HERRICK Ent. News **36.**

Paulidae **fam. n.** p. 25, SOLOWIOW Ent. Zs. **38** 1924; not distinct from Thripidae p. 34, PRIESNER t.c.

Paulus **gen. n.**, *gracilis* **sp. n.** Russia p. 25 fig., SOLOWIOW t.c.

Phloeobiothrips **gen. n.** (near *Phloeothrips*), *tumiceps* **sp. n.** New York, *Phloeothrips insolens* Hood transferred to, p. 127, HOOD Bull. Brooklyn Ent. Soc. **20.**

Phloeothrips subglaber **sp. n.** Sumatra p. 37 fig., KARNY Bull. Deli Proefst. no. **23.**—*P. leai* **sp. n.** Norfolk I. p. 37 fig., KARNY Rec. S. Aust. Mus. **3.**—*P. erythrinae* **sp. n.** Surinam p. 27, PRIESNER D. ent. Zs. **1925.**—*P. insolens* see *Phloeobiothrips.*—*P. sanguinolentus* see *Terthrothrips.*

Physothrips setiventris bionomics pp. 63–69, ANDREWS Ind. Tea Assoc., Sci. Dept. Qtrly. J. **1925.**—*P. hargreavesi* p. 127, *neavei* p. 129, **spp. n.** Uganda figs., KARNY Bull. Ent. Res. **16.**—*Physothrips* Karny see *Oxythrips.*

Plectrothrips impatiens **sp. n.** Trinidad p. 61, HOOD Psyche **32.**

Plesiothrips octarthrus p. 52, *amblycauda* p. 53, **spp. n.** Trinidad, HOOD t.c.

Pristothrips **gen. n.** (near *Acanthothrips*) p. 61, *albipunctatus*, *aaptus* (type) Trinidad **spp. n.** p. 62, HOOD t.c.

Prolissothrips **subgen. n.** see *Lissothrips.*

Pseudocryptothrips **gen. n.** *meridionalis* **sp. n.** Adriatic p. 105 fig., PRIESNER Zs. österr. Ent.-Ver. **4** 1919.

Pygothrips conifer, *nigricauda* **spp. n.** Trinidad p. 67, HOOD Psyche **32.**

Pyrgothrips **gen. n.** p. 35, *conocephalus* **sp. n.** Queensland p. 36, KARNY Ark. Zool. **17a** no. 2 1924.

Rhynchothrips debilis **sp. n.** New Jersey p. 218, HOOD Can. Ent. **57.**—*R. piger* **sp. n.** Colorado p. 134, HOOD Ent. News **36.**—*R. russelli* **sp. n.** U.S.A. p. 31, HOOD Bull. Brooklyn Ent. Soc. **20.**

Scirtothrips owreyi **sp. n.** Florida p. 51, WATSON Florida Ent. **8** 1924.

Sericothrips portoricensis **sp. n.** Porto Rico p. 3, MORGAN Florida Ent. **9.**

Stephanothrips occidentalis **sp. n.** St. Croix and Trinidad p. 69, HOOD & WILLIAMS Psyche **32.**

Stomatothrips septenarius **sp. n.** Trinidad and St. Thomas p. 48, HOOD Psyche **32.**

Symphyothrips reticulatus **sp. n.** Argentina pp. 29, 45, WATSON Florida Ent. **9.**

Taeniothrips orionis notes p. 180, HERRICK Ent. News **36.** — *T. aethiops* p. 133, *modestus* p. 134, *debilis* p. 136, *rufescens* p. 137, *dilutus* p. 138, **spp. n.** W. Africa, HOOD Entomologist **58.**

Terthrothrips **gen. n.** for *Phloeothrips sanguinolentus* Bergroth p. 77 fig., KARNY Not. ent. **5.**

Thrips palmi p. 10, *holorphnus* p. 15, **spp. n.** Sumatra fig., KARNY Bull. Deli Proefst. no. **23.**—*T. flavus* **var. n.** *flavosetosus* Tyrol p. 37, PRIESNER Zs. österr. Ent.-Ver. **6** 1921.—*T. dentatus* **sp. n.** Russia p. 25, SOLOWIOW Ent. Zs. **38** 1924.

Trichothrips fumiceps **sp. n.** New York p. 29, HOOD Bull. Brooklyn Ent. Soc. **20.** — *T. calcaratus* **sp. n.** Trinidad p. 57, HOOD Psyche **32.**

Tryphactothrips mediosignatus **sp. n.** Sumatra p. 34 fig., KARNY Bull. Deli Proefst. no. **23.**

Williamsiella **gen. n.** (near *Lissothrips*) *bicoloripes* **sp. n.** Trinidad p. 60, HOOD Psyche **32.**

Zeugmatothrips **gen. n.** *hispidus* **sp. n.** Mexico p. 313 fig., PRIESNER Zool. Jahrb. Abt. Syst. **50.**

Zygothrips speciosus **sp. n.** St. Croix p. 56, HOOD Psyche **32.**—*Z. robiniae* see *Haplothrips.*

ANOPLURA.

Acanthophthirius **gen. n.** *etheldredae* **sp. n.** England p. 175 fig., PERKINS Ann. Mag. N. H. (9) **16.**

Haematopinus suis biology, anatomy and histology pp. 641–724 figs., FLORENCE Cornell Univ. Agric. Expt. Sta. Mem. **51** 1921.

Hamophthirius **gen. n.** *galeopitheci* **sp. n.** Borneo p. 283 fig., MJÖBERG Psyche **32.**

MALLOPHAGA.

Corrections of the new spp. of Mallophaga described by A. G. Fresca, PFLEGER Časopis **21** 1924 p. 46.

Mallophaga parasitic on pheasants, UCHIDA Dobuts. Z. **34** 1922 pp. 244–251 6 figs.

Degeeriella, male genitalia pp. 283–290 fig., FRESCA Eos **1.**

Docophorus athene see *Philopterus cursitans.*

Menopon pallidulum eggs described p. 91 fig., HENRY & LEBLOIS Rec. Med. vétérin. (annexe Bull. et Mém. Soc. centr. Méd. vétérin.) **100** 1924.

Philopterus cursitans N. (= *castaneus* Fresca, *Docophorus athene* Mjöb.) p. 46, PFLEGER Časopis **21** 1924.

Physostomum irascens N. (= *Ricinus uchidai* Fresca), *nitidissimum* N. (= *R. uchidai* var. *major* Fresca) p. 46, PFLEGER t.c.

Ricinus uchidai see *Physostomum irascens*, *R. uchidai* var. *major* see *P. nitidissimum.*

PSOCOPTERA.

Auditory hairs in Corrodentia, LUNDBLAD Ent. Tidskr. **46** pp. 96–101 7 figs.

Descriptive notes on British Psocidae, PEARMAN Ent. Mo. Mag. **61** pp. 124–129 2 figs.

Key to genera of Troctidae, PEARMAN Ent. Mo. Mag. **61** p. 126.

Amphigerontia hyalina **sp. n.** Chile p. 102, ENDERLEIN Konowia **4.**—*A. leucophlebia* **sp. n.** Canary Is. p. 57 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Atropos pulsatoria notes Russia, p. 21, SOLOWIOW Ent. Zs. **38** 1924; biology p. 270, id. Zool. Jahrb. Abt. Syst. **50.**

Brachinodiscus **gen. n.** type *cinctipes* Enderl. p. 103, ENDERLEIN Konowia **4.**

Caecilius nigrotuberculatus **sp. n.** Argentina p. 292, CURRAN Can. Ent. **57.** — *C. corticis* see *Reuterella helvimacula.*

Colpostigma **gen. n.** p. 98, *elegans* **sp. n.** Brazil p. 99, ENDERLEIN Konowia **4.**

Coryphosmila **gen. n.** type *dolobrata* Hag. p. 106, ENDERLEIN Konowia **4.**

Embidotroctes rectivenis **sp. n.** England p. 127 figs., PEARMAN Ent. Mo. Mag. **61.**

Euclismia **gen. n.** for *quadrimaculata* Latr. p. 99, ENDERLEIN Konowia **4.**

Fülleborniella capensis **sp. n.** Cape Colony p. 106, ENDERLEIN t.c.

Gigantopsocus trabeatus **sp. n.** Colombia p. 97, ENDERLEIN t.c.

Heteropsocus dispar see *Psoquilla marginepunctata.*

Liposcelis priesneri **sp. n.** Albania p. 107, ENDERLEIN Konowia **4.**

Loensia simillima **sp. n.** Cape Colony p. 100, ENDERLEIN t.c.

Mecampsis **gen. n.**, *cinctifemur* **sp. n.** Chile p. 104, ENDERLEIN t.c.

Mepachycera **gen. n.** type *parvula* Banks p. 106, ENDERLEIN t.c.

Nescus **gen. n.**, *flavatus* **sp. n.** Costa Rica p. 19 figs., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Palaeoseopis **gen. n.** type *colpolepsis* Enderl. p. 106, ENDERLEIN Konowia **4.**

Peripsocus fortunatus **sp. n.** Canary Is. p. 58 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.—*P. californicus* hatching of eggs pp. 87–89, WACHTER Pan-Pacific Ent. **2.**

Polypsocus bimaculatus **sp. n.** Chile p. 105, ENDERLEIN Konowia **4.**

Psocus peringueyi **sp. n.** Rhodesia p. 100, ENDERLEIN t.c.—*P. masinus* **sp. n.** Luzon p. 22, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.—*P. koltzbaueri* **sp. n.** Brazil p. 68 fig., NAVÁS Mitt. münchn. ent. Ges. **15.**

Psoquilla marginepunctata Hag. ♂ (= *Heteropsocus dispar* Verrill) p. 107 fig., ENDERLEIN Konowia **4.**

/E *Ptycta* **gen. n.** type *haleakalae* Perk. p. 102, ENDERLEIN t.c.

Reuterella helvimacula End. (= *Caecilius corticis* Pearman) notes and biology p. 203 figs., PEARMAN Ent. Mo. Mag. **61.**

Semnopsocus **gen. n.** *globifer* **sp. n.** Br. Guiana p. 289 figs., LAING Entomologist **58.**

Sigmatina **gen. n.** type *aztecana* Banks p. 103, ENDERLEIN Konowia **4.**

Taeniostigma tibiale **sp. n.** Tonkin p. 215 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **7** 1924.

Troctes bicolor **var. n.** *decolor* Gloucestershire p. 126, PEARMAN Ent. Mo. Mag. **61.**

Valenzuela **gen. n.**, *marianus* **sp. n.** Barcelona p. 20 fig., NAVÁS Publ. Junta Cièn. nat. **4** no. 10 1924.

ISOPTERA.

Notes on Termites of Indiana, DIETZ Proc. Indiana Acad. Sci. **30** (1920) 1921 pp. 87–96 2 pls. 2 figs.; **33** (1923) 1924 pp. 299–301.

A study of the war between ants and termites, BUGNION Psyche, London no. **22** pp. 6–41 figs.

The Termites of Kartabo, Bartica District, British Guiana with keys, EMERSON Zoologica **6** pp. 291–459 figs.

Identity of Termite in Charente, FEYTAUD Proc.-verb. Soc. linn. Bordeaux **76** 1924 p. 69.

The thorax and abdomen of winged Termites, FULLER Union S. Africa Dept. Agric. Ent. Mem. **2** 1924 pp. 49–78 figs.

Description and list of Victorian Termites, HILL Vict. Nat. **42** pp. 85–91 1 pl.

Origin of castes in Termites, SNYDER Proc. Biol. Soc. Wash. **38** pp. 57–67.

Termites in buildings, SNYDER Science, Garrison N.Y. **61** p. 389.

Angularitermes **subgen. n.** see *Nasutitermes.*

Anoplotermes (*A.*) *meridianus* **n. n.** for *morio* Silv., (*A.*) *silvestrii* p. 421, (*A.*) *banksi* p. 423, (*A.*) *brevipilus* p. 424, (*A.*) *subterraneus* p. 425, (*A.*) *nigripunctatus* p. 426, (*Speculitermes*) *arboreus* p. 427, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.**

Apicotermes occultus construction of nests p. 52 figs., REICHENSPERGER Bull. mens. Soc. Nat. Luxembourg **17** 1923.

Armitermes (*A.*) *percutiens* p. 369, (*A.*) *teevani* p. 371, (*A.*) *grandidens* p. 373, (*A.*) *minutus* p. 374, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.** —*A. major* **sp. n.** Costa Rica p. 160, SNYDER J. Wash. Acad. Sci. **15.**

Calcaritermes **subgen. n.** see *Kalotermes.*

Capritermes (*Neocapritermes*) *angusticeps* p. 447, *planiceps* p. 449, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.**

Cavitermes **subgen. n.** see *Mirotermes.*

Coptotermes grandiceps p. 401, *pamuae* p. 402, *solomonensis* p. 403, **spp. n.** Solomon Is. fig., SNYDER J. Wash. Acad. Sci. **15.**

Cornitermes (*C.*) *pugnax* **sp. n.** Br. Guiana p. 365 figs., EMERSON Zoologica **6.**

Crepititermes **subgen. n.** see *Mirotermes.*

Cryptotermes hermsi **sp. n.** Fanning I. (Central Pacific) p. 437 figs., KIRBY Univ. Calif. Publns. Zool. **26.**

Cubitermes sibitiensis Fr. Congo, *silvestrii* Fr. Guinea, **spp. n.** p. 54, SJÖSTEDT Konowia **4.**

Eutermes matangensis determination of caste, p. 153, BATHELLIER C.R. Acad. Sci. Paris **181.**—*E. indoensis* **sp. n.** French Congo p. 55, SJÖSTEDT Konowia **4.**—*E. incola* see *Nasutitermes thompsonae.*

Gnathotermes aurivillii, havilandi see *Termes.*

Kalotermes (*Neotermes*) *clearei* p. 316, (*N.*) *kartaboensis* p. 318, (*Rugitermes*) *bicolor* p. 320, (*R.*) *flavicinctus* p. 323, (*R.*) *magninotus* p. 324, (*Cryptotermes*) *verruculosus* p. 329, (*C.?*) *cubicoceps* p. 330, (*Glyptotermes*) *pellucidus* p. 331, (*G.*) *perparvus* p. 332, (*G.*) *guianensis* p. 335, (*G.*) *hospitalis* p. 336, (*Lobitermes*) *nigriceps* p. 337, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.**—*K. approximatus* winged adult p. 14, SNYDER Proc. Ent. Soc. Wash. **27.**—*K. contracticornis* p. 153, *planus* p. 158, *suturis* p. 159 Costa Rica, (*Calcaritermes* **subgen. n.**) *imminens* p. 155, *recessifrons* p. 156 Colombia, *isthmi* Panama p. 198, *sanctae-crucis* Santa Cruz Arch. p. 396, **spp. n.** figs., SNYDER J. Wash. Acad. **15.**—*K. monticola* **sp. n.** Algeria p. 53, SJÖSTEDT Konowia **4.**

Leucotermes crinitus **sp. n.** Br. Guiana p. 342 figs., EMERSON Zoologica **6.**

Macrotermes gilvus determination of caste p. 54, BATHELLIER C.R. Acad. Sci. Paris **181.**

Mastotermes darwiniensis notes on pp. 119–124 fig., HILL Proc. R. Soc. Victoria **37.**—†*M. wheeleri* **sp. n.** Lower Eocene, Tennessee p. 406, notes on genus figs., COLLINS Amer. J. Sci. (5) **9.**

Microcerotermes arboreus **sp. n.** Br. Guiana p. 453 fig., EMERSON Zoologica **6.**—*M. nanulus* Dahomey p. 54, *macacoensis*, *elegans*, *longimulatus* Belgian Congo p. 55, **spp. n.**, SJÖSTEDT Konowia **4.**

Mirotermes (*Crepititermes* **subgen. n.**) *verruculosus* p. 433, (*M.*) *acutinasus* p. 439, (*M.*) *inquilinus* p. 440, (*Cavitermes* **subgen. n.**) *tuberosus* p. 442, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.**

Nasutitermes (*N.*) *comstockae* p. 390, (*N.*) *wheeleri* p. 391 **spp. n.**, (*N.*) *banksi* **n. n.** for *holmgreni* Banks p. 392, (*N.*) *gaigei* p. 394, (*N.*) *brevipilus* p. 395 **spp. n.**, (*Subulitermes*) *thompsonae* **n. n.** for *Eutermes incola* Holmgren, (*S.*) *baileyi* p. 398, (*S.*) *oculatissimus* p. 400, (*S.*) *raripilus* p. 402, (*S.*) *osborni* p. 404, (*S.*) *snyderi* p. 405, (*Convexitermes*) *kartaboensis* p. 409, (*C.*) *mazaruniensis* p. 411, (*C.*) *manni* p. 412, (*Velocitermes*) *beebei* p. 415, (*Angularitermes* **subgen. n.**) *nasutissimus* p. 419, **spp. n.** Br. Guiana figs., EMERSON t.c.—*N.* (*Tenuirostritermes*) *brooksi* **sp. n.** Cuba p. 106 figs., SNYDER Proc. Ent. Soc. Wash. **27.**

Neotermes amplus, *gracilidens* **spp. n.** Madagascar p. 53, SJÖSTEDT Konowia **4.**

Odontotermes egregius, *silvestrii* Congo p. 53, *amanicus* E. Africa p. 54 **spp. n.**, SJÖSTEDT t.c.

Ophiotermes ugandaensis **sp. n.** Uganda p. 54, SJÖSTEDT t.c.

Prorhinotermes manni Santa Cruz Arch. p. 399, *solomonensis* Solomon Is. p. 400, **spp. n.**, SNYDER J. Wash. Acad. Sci. **15.**

Reticulitermes lucifugus discussion on races pp. 161–169 figs., FEYTAUD Rev. Zool. agric. appl. **24**; existence of queens p. 550, FEYTAUD C.R. Assoc. franç. Avanc. Sci., Paris **47** (1923) 1924; royal individuals pp. 98–103, JUCCI Boll. Soc. ent. ital. **57.**

Rhinotermes (*R.*) *hispidus* p. 350, *longilabius* p. 352, (*R.*) *tenebrosus* p. 354, (*R.*) *subfusciceps* p. 356, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.**—*R. marjoriae* p. 404, *solomonensis* p. 406 Solomon Is., *sanctae-crucis* Santa Cruz Arch. p. 405, **spp. n.** figs., SNYDER J. Wash. Acad. Sci. **15.**

Syntermes snyderi p. 358, *territus* p. 359, **spp. n.** Br. Guiana figs., EMERSON Zoologica **6.**

Termes, *Gnathotermes aurivillii*, *havilandi* transferred to, pp. 157–163 fig., KEMNER Ent. Tidskr. **46.**

Termopsis symbiosis pp. 309–325 figs., CLEVELAND Biol. Bull. **48.**

†*Ulmeriella* Meunier transferred from Trichoptera p. 21 figs., COCKERELL & SNYDER Proc. Biol. Soc. Wash. **38.**

EMBIOPTERA.

Embia ramosa Mozambique p. 11, *smaeleni* Katanga p. 12, *wagneri* Argentine p. 13, **spp. n.** *tartara* redescribed p. 9, *argentina* ♀ described p. 10, figs., NAVÁS Rev. Acad. Ci. Zaragoza **8** (1923) 1924. —*E. koltzbaueri* **sp. n.** Brazil p. 67 fig., NAVÁS Mitt. münchn. ent. Ges. **15.**

Haploembia collaris, clypeata Katanga p. 14, *bourgi* E. Africa p. 15, **spp. n.** figs., NAVÁS Rev. Acad. Ci. Zaragoza **8** (1923) 1924.

Oligotoma sulcata **sp. n.** E. Africa p. 16, NAVÁS t.c.—*O. masi* **sp. n.** Philippines p. 39, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

PLECOPTERA.

Ecology and respiration of Plecoptera, DODDS & HISAW Ecology **5** 1924 pp. 262–271, **6** pp. 123–137, pp. 380–390 figs.

Plecoptera collected in Algeria by M. H. Gauthier with list of known N. African spp., LESTAGE Bull. Soc. H.n. Afr. Nord **16** p. 12.

Some Plecoptera of Lake George, NEEDHAM Ent. News **36** pp. 111–112.

A monograph of the Plecoptera of N. America, NEEDHAM & CLAASSEN 1925 pp. 1–397 50 pls. 29 figs.

Plecoptera of N. Bavaria, SCHOENEMUND Verh. physik. Ges. Würzburg **49** 1924 pp. 242–248.

The biology of Plecoptera, SCHOENEMUND Arch. Hydrobiol. **15** pp. 339–369.

Alloperla novascotiana p. 113, *lamba* p. 115, *albertensis* p. 116, *spatulata* p. 120, *pilosa, serrata* p. 124, **spp. n.** N. America figs., NEEDHAM & CLAASSEN Plecoptera of N. America 1925.

Capnia crinita **sp. n.** Montana p. 269 fig., NEEDHAM & CLAASSEN t.c.

Chloroperla mediata **sp. n.** E. Siberia p. 210 fig., NAVÁS Ent. Mitt. **14.**

Clioperla **gen. n.** (genotype *Isogenus clio* Newman) p. 137, *gravitans* p. 138, *annecta* p. 140, *marmorata* p. 142, **spp. n.** U.S.A. figs., NEEDHAM & CLAASSEN Plecoptera of N. America 1925.

Dictyogenus gaullei **sp. n.** France p. 81 fig., NAVÁS Brotéria **22.**

Dinotoperla fasciata **sp. n.** Queensland p. 193, TILLYARD Trans. R. Soc. S. Australia **48** 1924.

Eunotoperla **gen. n.** p. 194, *kershawi* **sp. n.** Australia p. 195 fig., TILLYARD t.c.

Eustheniopsis venosa **subsp. n.** *brachyptera* N. S. Wales p. 192, TILLYARD t.c.

Folga **gen. n.** p. 3, *luzonica* **sp. n.** Philippines p. 4 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.

Isogenus clio see *Clioperla.*

Isoperla fusca **sp. n.** Canada p. 146 fig., NEEDHAM & CLAASSEN Plecoptera of N. America 1925.

Leuctra geniculata, early stages p. 259 figs., LESTAGE Ann. Biol. lac. **9** 1920.—*L. carinata* **sp. n.** Barcelona p. 24 figs., NAVÁS Publ. Junta Ciên. nat. **4** no. 10 1924.

† Nemuropsidae **fam. n.** p. 41, MARTYNOV C.R. Acad. Sci. Russ. **1925.**

†*Nemuropsis* **gen. n.** *tenuis* **sp. n.** Permian Siberia p. 41 fig., MARTYNOV t.c.

Neoperla dimidiata p. 62, *tincta* p. 63, *viduata* p. 64, **spp. n.** Colombia figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.—*N. brachyura* **sp. n.** Indochina p. 15 fig., NAVÁS op. cit. **4** 1918.—*N. pastellsi* **sp. n.** Philippines p. 18 fig., NAVÁS Mem. R. Ac. Ci. Barcelona **19** no. 5.

Nephelopteryx nebulosa, morphology and ethology of, p. 231 figs., LESTAGE Ann. Biol. lac. **10** 1921.

Neureclipsis bimaculata biology of larva pp. 360–364 fig., HEIMANS Levende Natuur **29.**

Ochthopetina haugi **sp. n.** Africa p. 51 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.—*O. annulata* Africa p. 19, *vitalisi* Indochina p. 32, **spp. n.,** NAVÁS op. cit. **6** 1923.

Perla costata p. 13, *apicata* p. 14, **spp. n.** Indochina, NAVÁS op cit. **4** 1918.—*P. infumata* **sp. n.** Indochina p. 31, NAVÁS op. cit. **6** 1923.—*P. innubila* p. 77, *alameda* p. 78, *crosbyi* p. 79, *fugitans* p. 85, *nona* p. 86, *aestivalis* p. 87, *tincta* p. 89, *sorpta* p. 90, *obscura* p. 92, *venosa* p. 93, *bilobata* p. 95, *ramosa* p. 98, *languida* p. 100, **spp. n.** U.S.A. figs., NEEDHAM & CLAASSEN Plecoptera of N. America 1925.—*P.* nomenclature of spp. pp. 49–57, SCHOENEMUND N. Beitr. syst. Insektenk. **3.**—*P.*, larvae of German spp. pp. 113–121 fig., SCHOENEMUND Ent. Mitt. **14.**

Perlodes yosemitae **sp. n.** California p. 56 figs., NEEDHAM & CLAASSEN Plecoptera of N. America 1925.

Perlomyia utahensis **sp. n.** Utah p. 235 fig., NEEDHAM & CLAASSEN t.c.

Spaniocerca tasmanica **sp. n.** Tasmania p. 195 fig., TILLYARD Trans. R. Soc. S. Australia **48** 1924.

Taeniopteryx contorta p. 242, *californica* p. 247, *oregonensis* p. 248 **spp. n.** U.S.A., *banksii* **n. n.** for *pallida* Banks figs., NEEDHAM & CLAASSEN Plecoptera of N. America 1925.

Tasmanoperla ruficosta **sp. n.** N. S. Wales p. 193, TILLYARD Trans. R. Soc. S. Australia **48** 1924.

Thaumatoperla robusta ♂ described p. 192, TILLYARD t.c.

Trinotoperla **gen. n.** p. 193, *irrorata* (type), *australis* **spp. n.** N. S. Wales p. 194 fig., TILLYARD t.c.

EPHEMEROPTERA.

Nutrition of Ephemeropterous larvae, BENGTSSON Ann. Biol. lac. **13** 1924 p. 215.

Ecology and respiration of Ephemeroptera, DODDS & HISAW Ecology **5** 1924 pp. 137–148, 262–271 ; **6** pp. 380–390 2 pls. 1 table 16 figs.

Ephemeridae from Arctic Ural, ESBEN-PETERSEN Mém. Acad. imp. Sci. **28** no. 12 1916 12 pp. figs.

Breeding of Ephemeroptera in aquariums, GROS Ann. Biol. lac. **14** pp. 49–52.

Structure and notes on larvae of Ephemerellidae and Brachycercidae, LESTAGE Ann. Biol. lac. **13** (1924) pp. 237–270.

Keys to genera, spp. and larvae of Ephemerellidae, distribution, LESTAGE Ann. Biol. lac. **13** (1924) pp. 271–302.

List of Ephemeroptera of Indo-China, LESTAGE Faune ent. Indochine fasc. **8** 1924 pp. 79–93.

Key to ♀♀ of Polymitarcidae, LESTAGE Faune ent. Indochine fasc. **8** 1924 p. 83.

Ephemeroptera collected in Algeria by M. H. Gauthier with list of known N. African species, LESTAGE Bull. Soc. H. n. Afr. N. **16** pp. 9–11.

The Ephemeroptera of Covey Hill, Quebec, MCDUNNOUGH Trans. R. Soc. Canada **19** Sec. 5 pp. 207–223 figs.

Some Ephemeroptera of Lake George, NEEDHAM Ent. News **36** pp. 112–114.

Ephemeridae of N. Bavaria, SCHOENEMUND Verh. physik. Ges. Würzburg **49** 1924 pp. 242–248.

Ephemeroptera of Bialowies Forest, Poland, ULMER Abh. Bayer. Akad. Wiss. suppl. p. 342.

Agnathus wings pp. 145–172 fig., MARTYNOV Rev. russe Ent. **18** 1924.

Anepeorus **gen. n.** (near *Epeorus*) *rusticus* **sp. n.** Saskatchewan p. 190 fig., MCDUNNOUGH Can. Ent. **57.**

Baetis key to males of E. Canadian spp. p. 214, *cingulatus*, *levitans* p. 216, *rusticans* p. 217, *pluto* p. 218, *vagans* p. 219, *incertans* p. 220, **spp. n.** Quebec figs., MCDUNNOUGH Trans. R. Soc. Canada **19** sec. 5.—*B. propinquus*, *pygmaeus*, taxonomic notes p. 172, *brunneicolor*, *frondalis* p. 173, *spinosus*, *frivolus* p. 174, **spp. n.** Canada, MCDUNNOUGH Can. Ent. **57.**—*B. pumilus* **var. n.** *dissimilis* Andalusia p. 5 fig., NAVÁS Publ. Junta Ciên. nat. **4** no. 11 1924.—*B. gloriosus* **sp. n.** Chile p. 2 fig., NAVÁS Mem. Pont. Acc. n. Linc.(2) **6** 1923.

Blasturus cupidus nymph, subimago and imago described pp. 211–218, TRAVER Can. Ent. **57.**

Caenis annulata, *pumila* **spp. n.** Philippines p. 1, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Callibaetis sobrius **sp. n.** Brazil p. 61 fig., NAVÁS op. cit. **2** 1916.

Centroptilum caliginosum **sp. n.** Quebec p. 175, MCDUNNOUGH Can. Ent. **57.**—*C. curiosum* see *Heterocloeon*.

Cloeon variegatum **sp. n.** Barkuda I. p. 420 figs., CHOPRA Rec. Ind. Mus. **26** 1924.—*C. simplex* Quebec p. 185, *insignificans* Ontario p. 186, **spp. n.** figs., MCDUNNOUGH Can. Ent. **57.**—*C. exiguum* **sp. n.** Philippines p. 2, NAVÁS Mem. Pont. Acc. n. Linc. (2) **4** 1918.—*C. rubellum* **sp. n.** Philippines p. 3, NAVÁS op. cit. **6** 1923.

Ecdyonurus forcipula early stages France p. 53 figs., GROS Ann. Biol. lac. **14.**—*E. femoratus* discussed p. 190, *pudicus* Hagen a distinct sp. p. 191, MCDUNNOUGH Can. Ent. **57.**—*E. codinai* **sp. n.** Andalusia p. 6 fig., NAVÁS Publ. Junta Ciên. nat. **4** no. 11 1924.

Ecdyurus hyalinus **sp. n.** Siberia p. 6 figs., ESBEN-PETERSEN Mém. Acad. imp. Sci. **28** no. 12 1916.

Epeorus assimilis larva described p. 45 fig., ŠÁMAL Časopis **21** 1924.

Ephemera guttulata tropisms p. 393, KENNEDY Biol. Bull. Wood's Hole **48**. —*E. duporti* **sp. n.** Tonkin p. 86, LESTAGE Faune ent. Indochine fasc. **8** 1924.

Ephemerella funeralis p. 210, *fratercula* p. 213, **spp. n.** Quebec figs., McDUNNOUGH Trans. R. Soc. Canada **19** Sec. 5.—*E. simplex* p. 41, *attenuata, sordida* p. 42, *atrescens* p. 43, *septentrionalis, needhami* p. 171 **spp. n.** Canada; *excrucians* taxonomy p. 169, figs., McDUNNOUGH Can. Ent. **57**.

Heptagenia bipunctata **sp. n.** Siberia p. 7 figs., ESBEN-PETERSEN Mém. Acad. imp. Sci. **28** no. 12 1916.—*H. impersonata* **sp. n.** Quebec p. 191, McDUNNOUGH Can. Ent. **57**.

Heterocloeon **gen. n.** for *Centroptilum curiosum* McD. p. 175, McDUNNOUGH Can. Ent. **57**.

Hexagenia indica **sp. n.** Barkuda I. p. 416 figs., CHOPRA Rec. Ind. Mus. **26** 1924.

Iron suffusus, punctatus, **spp. n.** Canada p. 189 figs., McDUNNOUGH Can. Ent. **57**.

Leptophlebia debilis Wlk. (= *separata* Ulmer) p. 169, McDUNNOUGH Can. Ent. **57**.

Neoephemera **gen. n.** *bicolor* **sp. n.** Quebec p. 168, McDUNNOUGH t.c.

Polyplocia **gen. n.** p. 80, *vitalisi* **sp. n.** Indo-China p. 82, LESTAGE Faune ent. Indochine fasc. **8** 1924.

Prosopistoma foliaceum habitat, pp. 79–85, LESTAGE Bull. & Ann. Soc. ent. Belg. **65**; metamorphosis p. 454, VAYSSIÈRE C.R. Acad. Sci. Paris **181**.

Siphlonurus quebecensis discussed p. 186, *columbianus* **sp. n.** Br. Columbia p. 187, McDUNNOUGH Can. Ent. **57**.

Torleya belgica imago described p. 303 figs., LESTAGE Ann. Biol. lac. **13** (1924); biology and distribution p. 221 fig., SCHAFFERNA Ann. Biol. lac. **13** (1924).

†PALAEODICTYOPTERA.

†*Dunbaria* wing venation p. 328, abdomen p. 333 Kansas Permian figs., TILLYARD Amer. J. Sci. New Haven **9**.

†*Goldenbergia handlirschi* **sp. n.** Commentry p. 11 figs., BOLTON Br. Mus. (Nat. Hist.) Fossil Insects no. **2**.

ODONATA (PARANEUROPTERA).

Observations on Odonata during the winter of 1921 at Sotshi (province of Kuban and of the Black Sea), BARTENEV Rev. russe Ent. **18** 1924 pp. 223–228.

Odonata of Romagna, BENTIVOGLIO Atti Soc. Nat. Mat. Modena (6) **3** pp. 97–102.

Systematic notes on Odonata of Sumatra, CAMPION J. Fed. Malay St. Mus. **8** pt. III pp. 161–165.

Libellulids in West Prussia, DOBBRICK Ber. westpreuss. bot.-zool. Ver. **45–46** 1924 pp. 21–24, 32–33.

List of Odonata of Mariensee, DOBBRICK Ber. westpreuss. bot.-zool. Ver. **47** pp. 31–41.

A survey of the Odonate fauna of western India, FRASER Rec. Ind. Mus. **26** 1924 pp. 423–522 figs.

The Odonate fauna of the Palni and Nilgiri Hills, FRASER Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 365–368.

List of dragonflies of Samoa, FRASER Trans. Ent. Soc. Lond. **1924** pp. 429–438 figs.

Descriptions and notes on Indian dragonflies, FRASER J. Bombay Nat. Hist. Soc. **30** pp. 397–405, 657–663, figs.

Contributions to knowledge of the Odonata of S.W. Poland, FUDAKOWSKI Polsk. Pismo ent. **3** pp. 127–131.

Distribution of New England Odonata, HOWE Proc. Boston Soc. Nat. Hist. **36** 1921 pp. 105–133.

Northward migration of Odonata in the spring, HOWE Psyche **32** p. 113.

Swarms of Libellulids in Germany, KEILHOLZ Ent. Zs. **39** p. 38.

Notes on fossil and other genera of Megapodagrioninae, KENNEDY Bull. Mus. Comp. Zool. **67** pp. 291–311 1 pl.

List of Odonata of Perm Government, KOLOSSOFF Bull. Soc. oural. d'Amis Sci. nat. **36** 1916 pp. 71–78; **38** 1922 pp. 21–23.

Dragonfly fauna of Malaya, a revision with keys to genera and spp., LAIDLAW J. Malayan Br. R. Asiatic Soc. **2** 1924 pp. 296–308 3 pls.

External genitalia of Lahore dragonflies, LALL Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 369–377.

Zygoptera of Holland and neighbouring regions (with bibliography, generic and specific keys), LIEFTINCK Tijdschr. Ent. **68** pp. 61–174 57 figs.

Caudal lamellae of the naiads of British Zygopterid dragonflies, LUCAS Proc. S. London Ent. Soc. **1924–25** pp. 1–7 figs.

Dragonfly nymphs from Galapagos Is., MCLACHLAN Proc. Zool. Soc. **1877** pp. 85–86 figs.

Notes on the wings of Odonata, MARTYNOV Rev. russe Ent. **18** 1924 pp. 145–172 fig.

Records of Indiana dragonflies, I, MONTGOMERY Proc. Indiana Acad. Sci. **34** pp. 383–389.

Some Odonata of Lake George, NEEDHAM Ent. News **36** pp. 114–115.

Food of Odonata larvae, POPOVA Arb. Biol. Wolga-Sta. **8** pp. 107–115 fig.

Oviposition and ovipositor of Libellulidae pp. 57–84 figs., STORCH Sitz. Ber. Ak. Wiss. Wien Abt. I **133** 1924.

Insect fauna of Baden, Odonata, STROHM Mitt. Bad. ent. Ver. **1** pp. 218–219.

†British Liassic dragonflies, TILLYARD Br. Mus. (Nat. Hist.) Fossil Insects no. **1** 38 pp. 5 pls. 14 figs.

Odonata from Groote Eylandt, TILLYARD Rec. S. Aust. Mus. **3** p. 41.

Acrogomphus **gen. n.** p. 439, *fraseri* p. 441, *malayanus* p. 443, **spp. n.** Tropical Asia figs., LAIDLAW Proc. Zool. Soc. Lond. **1925.**

Aeschna F. (= *Gomphus* Leach) genotype *vulgatissima* L. (= *forcipata* F.) p. 38, *coluberculus* **subsp. n.** *habermayeri* Macedonia p. 36, GÖTZ Mitt. münchn. ent. Ges. **13** 1923.—*A. nevadensis* tropisms p. 391, KENNEDY Biol. Bull. Wood's Hole, **48.**—*A.* nerves of abdominal segments of larvae pp. 135–141 fig., ROGOZINA Bull. Inst. Rech. biol. Perm **3** 1924.—*A.*, auct. nec F. see *Secundaeschna.*

Aeschnophlebia kolthoffi **sp. n.** China p. 2, SJÖSTEDT Ark. Zool. **17A** no. 14.

Agrion splendens **subsp. n.** *pfeifferi* Portugal p. 37, GÖTZ Mitt. münchn. ent. Ges. **13** 1923.—*A. armatum* and spp., morphology pp. 203–207, LIEFTINCK Levende Natuur **29.**—*A. hastulatum, concinnum,* larvae described pp. 111–114 fig., PULKKINEN Not. ent. **5.**

Amorphostigma **gen. n.**, *armstrongi* **sp. n.** Samoa p. 432 figs., FRASER Trans. Ent. Soc. Lond. **1924.**

Anax relative importance of vision and chemical sense in larvae pp. 315–318, ABBOTT Psyche **32.**—*A. junius* assocative memory pp. 533–536, ABBOTT Ann. Ent. Soc. Amer. **18.**—*A. parthenope* distribution in Poland p. 43, SUMINSKI Ann. Zool. Mus. Polon. Hist. Nat. **2** 1924; **subsp. n.** *major* Anatolia p. 36, GÖTZ Mitt. münchn. ent. Ges. **13** 1923.

Archiargiolestes **gen. n.** p. 291, *pusillissimus* **sp. n.** W. Australia p. 292 figs., KENNEDY Bull. Mus. Comp. Zool. **67.**

Argiolestes uniseries see *Caledargiolestes, A. icteromelas* see *Austroargiolestes, A. sarasini* see *Caledopteryx, A. cincta* see *Celebargiolestes, A. melanothorax* see *Burmargiolestes.*

Austroargiolestes **gen. n.** for *Argiolestes icteromelas* Selys Australia p. 294 fig., KENNEDY t.c.

Burmagomphus laidlawi **sp. n.** W. India p. 475, FRASER Rec. Ind. Mus. **26** 1924.

Burmargiolestes **gen. n.** type *Argiolestes melanothorax* Selys p. 296, fig., KENNEDY Bull. Mus. Comp. Zool. **67.**

Caconeura verticalis **subsp. n.** *andamanensis* Andaman Is. p. 412 figs., FRASER Rec. Ind. Mus. **26** 1924.

Caledargiolestes **gen. n.** for *Argiolestes uniseries* Ris p. 293 fig., KENNEDY Bull. Mus. Comp. Zool. **67.**

Caledopteryx **gen. n.** for *Argiolestes sarasini* Ris p. 295, KENNEDY t.c.

†*Calvertiella* **gen. n.** p. 43, *permiana* **sp. n.** Kansas Permian p. 45, figs., TILLYARD Amer. J. Sci. New Haven (5) **10.**

Celebargiolestes **gen. n.** for *Argiolestes cincta* Selys p. 295 fig., KENNEDY Bull. Mus. Comp. Zool. **67.**

Cendra **gen. n.** *cearana* **sp. n.** Brazil p. 74, figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Ceriagrion aurantiacum **sp. n.** W. India p. 492, FRASER Rec. Ind. Mus. **26** 1924.

Ceylanicolestes **gen. n.**, *pulcherrima* **sp. n.** W. India p. 487 figs., FRASER t.c.

Chloroneura apicalis **sp. n.** W. India p. 501 fig., FRASER t.c.

Coeliccia dinocerus **sp. n.** Philippines p. 562 figs., LAIDLAW Phil. J. Sci. **28.**

Cordulia aenea **subsp. n.** *laubmanni* Allgäu p. 36, GÖTZ Mitt. münchn. ent. Ges. **13** 1923.

Davidioides **gen. n.** (near *Gomphus*), *martini* **sp. n.** W. India p. 472 fig., FRASER Rec. Ind. Mus. **26** 1924.

Disparaneura souteri **sp. n.** W. India p. 521, FRASER t.c.

Drepanosticta annandalei **sp. n.** Andaman Is. p. 412 figs., FRASER t.c.

Dysphaea ethela **sp. n.** W. India p. 480, FRASER t.c.

†*Enallagma oblisum* **sp. n.** Miocene, Colorado p. 205, COCKERELL Entomologist **58.**

†*Epallagites* **gen. n.** p. 9, *avus* **sp. n.** Eocene, Colorado p. 10 fig., COCKERELL Proc. U. S. Nat. Mus. **64** art. 13 1924.

Epitheca bimaculata descriptive notes p. 249 figs., ROUSSEAU Ann. Biol. lac. **9** 1920.

†Gomphitidae **fam. n.** p. 33, TILLYARD Br. Mus. (Nat. Hist.) Fossil Insects no. **1.**

Gomphus descriptions and notes India p. 657 figs., FRASER J. Bombay Nat. Hist. Soc. **30.**—See *Aeschna.*

Gynacantha limai **sp. n.** Brazil p. 71, NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Heliogomphus notes p. 559, *bakeri* **sp. n.** Philippines p. 560 fig., LAIDLAW Phil. J. Sci. **28.**

Hemicordulia pacifica **sp. n.** Samoa p. 435, FRASER Trans. Ent. Soc. Lond. **1924.**

Hetaerina capitalis **var. n.** *colombiana* Colombia p. 10, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

†*Heterophlebia angulata* **sp. n.** England p. 32 fig., TILLYARD Br. Mus. (Nat. Hist.) Fossil Insects no. **1.**

Hylaeothemis fruhstorferi **subsp. n.** *apicalis* W. India p. 430, FRASER Rec. Ind. Mus. **26** 1924.

Idionyx saffronata p. 458, *nadganiensis* p. 460, *stevensi* p. 462, **spp. n.**; *corona* **subsp. n.** *fulvia* p. 516; *galeata* **sp. n.** p. 517 W. India, FRASER t.c.

Indomacromia **gen. n.** (near *Macromidia*) p. 514, *donaldi* **sp. n.** W. India p. 515 fig., FRASER t.c.

†*Karatawia* **gen. n.** *turanica* **sp. n.** Jurassic, Turkestan p. 587 fig., MARTYNOV Bull. Acad. Sci. Russ. **19.**

†Kennedyidae **fam. n.** p. 63, TILLYARD Amer. J. Sci. New Haven (5) **10.**

†*Kennedya* **gen. n.** p. 63, *mirabilis* **sp. n.** Kansas Permian p. 65 figs., TILLYARD t.c.

Lestd dorothea p. 484, *patricia* p. 486, **spp. n.** W. India figs., FRASER Rec. Ind. Mus. **26** 1924. /eo

~~*Lestes*~~ *praemorsa* **subsp. n.** *andamanensis* Andaman Is. p. 410 figs., FRASER t.c.

†Liassophlebiidae **fam. n.** key p. 11, TILLYARD Br. Mus. (Nat. Hist.) Fossil Insects no. **1.**

†*Liassophlebia* **gen. n.** p. 13, *magnifica* p. 15, *batheri* p. 16, *withersi* p. 17, *clavigaster* p. 19 **spp. n.** England; *westwoodi* Hagen p. 17, *hopei* Brodie p. 19 synonymy figs., TILLYARD t.c.

Libellula quadrimaculata migration Poland p. 875, DEMEL Kosmos **49** 1924. —*L. pulchella* relation of nymphs to acid and temperature p. 250, STICKNEY Ecology **3** 1922.—*L. juncea* see *Secundaeschna.*

†*Lithagrion optimum* see *Miopodagrion.*

Macrogomphus wynaadicus **sp. n.** W. India p. 471, FRASER Rec. Ind. Mus. **26** 1924.

Macromia indica p. 448, *ida* p. 449, *miniata* p. 450, *binocellata* p. 451, *bellicosa* p. 453, *irata* p. 454, *pallida* p. 456, *ellisoni* p. 457, **spp. n.** W. India figs., FRASER t.c.—*M. splendens* distribution France p. 1, MORTON Ent. Mo. Mag. **61.**

Macrothemis valida **sp. n.** Brazil p. 60 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.—*M. rochai* **sp. n.** Brazil p. 1 figs., NAVÁS op. cit. **4** 1918.

Mecistogaster marchali **var. n.** *selysia* Colombia p. 9, NAVÁS op. cit. **6** 1923.

†*Megatypus* **gen. n.** type *schucherti* p. 53, *ingentissimus* p. 58, **spp. n.** Kansas Permian figs., TILLYARD Amer. J. Sci. New Haven (5) **10.**

Microgomphus torquatus **subsp. n.** *souteri* W. India p. 474, FRASER Rec. Ind. Mus. **26** 1924.

Micromerus andamanensis **sp. n.** Andaman Is. p. 410 figs., FRASER t.c.

†*Miopodagrion* **gen. n.** for *Lithagrion optimum* Ckll. p. 297, KENNEDY Bull. Mus. Comp. Zool. **67.**

Nadiplax **gen. n.** p. 72, *diversa* **sp. n.** Brazil p. 73 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

†*Oligoargiolestes* **gen. n.** *oligocenum* **sp. n.** Oligocene, Isle of Wight p. 296, KENNEDY Bull. Mus. Comp. Zool. **67.**

Ophippus **gen. n.** p. 76, *garbei* **sp. n.** Brazil p. 77 figs., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Orogomphus campioni **sp. n.** W. India p. 467 fig., FRASER Rec. Ind. Mus. **26** 1924.

†*Petrophlebia* **gen. n.** p. 11, *anglicana* **sp. n.** England p. 13 figs., TILLYARD Br. Mus. (Nat. Hist.) Fossil Insects no. **1.**

†Progonophlebiidae **fam. n.** p. 8, TILLYARD t.c.

†*Progonophlebia* **gen. n.** p. 9, *woodwardi* **sp. n.** England p. 10 fig., TILLYARD t.c.

†*Protomyrmeleon anglicanus* **sp. n.** England p. 37 fig., TILLYARD t.c.

Protosticta cerinostigma p. 499, *mortoni* p. 500, **spp. n.** W. India figs., FRASER Rec. Ind. Mus. **26** 1924.

†Protozygoptera **subord. n.** p. 62, TILLYARD Amer. J. Sci. New Haven (5) **10.**

Pseudagrion samoensis **sp. n.** Samoa p. 430 fig., FRASER Trans. Ent. Soc. Lond. **1924.**—*P. andamanicum* Andaman Is. p. 411, *praeclarum* p. 493, *malabaricum* p. 494, *indicum* p. 495 W. India **spp. n.** figs., FRASER Rec. Ind. Mus. **26** 1924.

Pseudophaea cardinalis **sp. n.** W. India p. 512, FRASER t.c.

Rhinocypha laidlawi **sp. n.** W. India p. 482, FRASER t.c.

Rhodopygia cardinalis **var. n.** *colorata* Colombia p. 9, NAVÁS Mem. Pont. Acc. n. Linc. (2) **6** 1923.

Secundaeschna **n. n.** for *Aeschna* auct. nec Fab. genotype *Libellula juncea* Linn. p. 39, GÖTZ Mitt. münchn. ent. Ges. **13** 1923.

Sympetrum medium **sp. n.** Chile p. 59 fig., NAVÁS Mem. Pont. Acc. n. Linc. (2) **2** 1916.

Tachopteryx thoreyi Ohio notes on relatives p. 190, HINE Ohio J. Sci. **25.**

Zygonyx isis **sp. n.** W. India p. 440, FRASER Rec. Ind. Mus. **26** 1924.

DERMAPTERA.

List of Dermaptera of Indo-China, BURR Faune ent. Indochine fasc. **8** 1924 pp. 119–124.

Catalogue of Dermaptera of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte no. **7** 1922 pp. 74–77.

Notes on Dermaptera of the Chatham Is., LYSAGHT Rec. Canterbury Mus. **2** p. 309 fig.

Function of the forceps of earwigs, MORGAN Proc. Indiana Acad. Sci. **33** 1924 pp. 303–306 7 figs., **34** pp. 347–348.

Labiduridae and Forficulidae from the Swedish Expedition to Central Africa 1921, REHN Ark. Zool. **17A** no. 15 pp. 1–4.

Anisolabis vitalisi **sp. n.** Tonkin p. 120, BURR Faune ent. Indochine fasc. **8** 1924.

Diplatys salvazai **sp. n.** Indo-China p. 120, BURR t.c.

Forficula auricularia parasites and regeneration of pincers pp. 159–164, DIAKONOV Bull. Inst. Rech. biol. Univ. Perm **1** 1923 ; life-history pp. 234–238, GOE Ent. News **26.**

Kleiduchus variegatus **sp. n.** Tonkin p. 122, BURR Faune ent. Indochine fasc. **8** 1924.

Kosmetor claviger **sp. n.** Indo-China p. 124, BURR t.c.

†Protodiplatyidae **fam. n.** Jurassic, Turkestan p. 572, MARTYNOV Bull. Acad. Sci. Russ. **19.**

†*Protodiplatys* **gen. n.** *fortis* **sp. n.** p. 573 Jurassic, Turkestan fig., MARTYNOV t.c.

†*Psalis pachyura* **sp. n.** Tertiary, Argentina p. 712 fig., COCKERELL Nature **116.**

Vostox cabrerae **sp. n.** Cuba p. 20 figs., REHN Trans. Amer. Ent. Soc. **51.**

†Genus ? *incerta* **sp. n.** Jurassic Turkestan p. 575 fig., MARTYNOV Bull. Acad. Sci. Russ. **19.**

ORTHOPTERA.

Orthoptera of Altai, BEI BIENKO Trans. Siberian Agric. Acad. **5** pp. 37–56.

Biological observations on Orthoptera, BERLAND Bull. Soc. ent. Fr. **1924** pp. 70–72.

Catalogue of the Orthoptera of Ecuador, CAMPOS Rev. Col. Nac. V. Rocafuerte no. **11–12** 1923 pp. 3–43 fig.

Double spiracles in some Orthoptera, CARPENTIER Bull. & Ann. Soc. ent. Belg. **65** pp. 205–208.

Orthoptera of S. Dakota, HEBARD Proc. Acad. Nat. Sci. Phil. **67** pp. 33–155.

Records of European Acrididae, Tettigoniidae and Gryllidae, HEBARD Trans. Amer. Ent. Soc. **51** pp. 35–55.

Distributional notes on N. American Orthoptera, HUBBELL Florida Ent. **9** pp. 41–45.

British Orthoptera in the Dale collection, LUCAS Ent. Mo. Mag. **61** p. 246.

Notes on Orthoptera from the Chatham Is., LYSAGHT Rec. Canterbury Mus. **2** pp. 301–309 figs.

†Fossil Orthoptera from Jurassic Turkestan [including new suborders Aboilodea, Necrophasmatodea], MARTYNOV Bull. Acad. Sci. Russ. **19** pp. 233–246, 569–598 figs.

Acrididae and Locustidae, habitats and associations, SALFI Boll. Soc. Nat. Napoli **36** pp. 129–152.

Orthoptera of Mount Koya, Japan, SONAN Insect World **26** 1922 pp. 374–377.

Contributions to the Orthoptera of the Kustani Government, TARBINSKI Défense des Plantes 2 pp. 155–159.

List and synonymy of palaearctic Orthoptera described by Pallas, UVAROV Ent. Mitt. **14** pp. 153–156.

Orthoptera (except Blattidae) from Yunnan, UVAROV J. Asiat. Soc. Bengal N.S. **20** pp. 313–335 8 figs.

The collection and study of Indian Orthoptera, UVAROV Rept. Proc. 5th Ent. Meet. Pusa **1923** 1924 pp. 318–324.

Orthoptera of Bengasi, ZANON Mem. Pont. Acc. n. Linc. (2) **7** 1924 pp. 229–249.

BLATTIDAE.

Blattidae of New Caledonia with keys to genera and spp. p. 303, CHOPARD Nova Caledonia A Zool. **3** 1924 pp. 301–336 1 pl. 73 figs.

Symbiosis of Blattids with lower plant organisms, GROPENGIESSER Centralbl. Bakt. **64** pp. 495–511 figs.

Synonymic and other notes on Australasian Blattidae figs., SHAW Proc. Linn. Soc. N.S.W. **50** pp. 171–213.

Allacta montaguei **sp. n.** New Caledonia p. 319, CHOPARD Nova Caledonia A Zool. **3** 1924.

Ancaudellia **gen. n.** for *Panesthia serratissima* Br. v. W. new localities p. 208 fig., SHAW Proc. Linn. Soc. N.S.W. **50.**

†*Anthracoblattina gigantea* **f. n.** *intermedia* Commentry p. 32 figs., BOLTON Br. Mus. (Nat. Hist.) Fossil Insects no. **2.**

Blabera cubensis oötheca p. 57 figs., STEWART Entomologist **58.**

Blatta formation of uric acid p. 231, PALLADIN Trav. Soc. Nat. Petrograd C.R. Sect. I **45** 1914.—*B.* (*Periplaneta*) *orientalis* circulatory system of head p. 461 figs., KLOSKA Bull. intern. Acad. polon. Sci. ser. B **1924**: pharynx muscular system p. 49 figs., EIDMANN Zool. Anz. **62**; ♀ genitalia figs., VOGEL Zool. Anz. **64** pp. 56–62.

Calolampra candidula **sp. n.** Queensland p. 175 figs., SHAW Proc. Linn. Soc. N. S. W. **50.**

Chalcoblatta **n. n.** for *Chalcolampra* Sauss. nec Blanch. p. 243, JACOBSON Rev. russe Ent. **18** 1924.

Chalcolampra see *Chalcoblatta.*

Cosmozosteria brisbanensis, sloanei **spp. n.** Queensland p. 194, SHAW Proc. Linn. Soc. N.S.W. **50.**

Cutilia key p. 188, *pulchra* **sp. n.** N.S.W. p. 191 fig., SHAW Proc. Linn. Soc. N.S.W. **50.**—*C. sarasini* p. 326, *nigrifrons* p. 327, *angustipennis* p. 328, *punctulata, pallidipennis* p. 330, *subpellucida* p. 331, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.

Dorylaea flavifrons **sp. n.** New Ireland p. 206 figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

Ectobius appendiculatus p. 307, *caledonicus* p. 308, *maculatus* p. 309, *shelfordi* p. 310, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.—*E.* spp. distribution and biological notes on p. 163, HEYMONS D. ent. Zs. **1925.**—*E. lapponicus* and related spp. p. 99, RAMME Arch. Naturg. **86** A 12 (1920) 1921.

Elfridaia **gen. n.** p. 173, *ebomae* **sp. n.** p. 174 Papua figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

†*Eoblattina* **gen. n.** *complexa* **sp. n.** Commentry p. 19 fig., BOLTON Br. Mus. (Nat. Hist.) Fossil Insects no. **2.**

Eppertia **gen. n.** for *Lepidophora furcata* Tepp. p. 187, SHAW Proc. Linn. Soc. N.S.W. **50.**

Euzosteria purpurascens p. 175, *sordida* p. 176, *tuberculata* p. 177, **spp. n.** Australia fig., SHAW t.c.

Hololampra caledonica **sp. n.** New Caledonia p. 310 figs., CHOPARD Nova Caledonia A Zool. **3** 1924.

Lepidophora furcata see *Eppertia.*

Macropanesthia hirsuta **sp. n.** Queensland p. 212 fig., SHAW Proc. Linn. Soc. N.S.W. **50.**

Mareta phaneropyga, caledonica p.316, *gracilipes* p. 317, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.

Margattea scripta **sp. n.** New Caledonia p. 318 figs., CHOPARD t.c.

Methana key p. 199, *parva* (with **var. n.** *hackeri*) p. 200, *mjöbergi, sjöstedti* p. 201, **spp. n.** Queensland figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

Oniscosoma minima **sp. n.** Queensland p. 207, SHAW t.c.

Panchlora exoleta distribution and biology p. 164, HEYMONS D. Ent. Zs. **1925.**

Panesthia serratissima see *Ancaudellia.*

Parcoblatta caudelli notes on ♀ New York p. 188, BIRD J. New York Ent. Soc. **33.**

Periplaneta americana anatomy of head and abdomen pp. 195–219 figs., CRAMPTON Psyche **32.**—*P. ignota* **sp. n.** Queensland p. 205 figs., SHAW Proc. Linn. Soc. N.S.W. **50.**—*P. orientalis* see *Blatta.*

†*Phylloblatta gallica* **f. n.** *rigida* p. 36, *monubilis* **f. n.** *spathulata* p. 40, *brongniarti* **f. n.** *furcata* p. 47, Commentry figs., BOLTON Br. Mus. (Nat. Hist.) Fossil Insects no. **2.**

Plana key, *crenulata* **sp. n.** Queensland p. 209 fig., SHAW Proc. Linn. Soc. N.S.W. **50.**

Platyzosteria punctipennis p. 324, *laevipennis* p. 325, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.—*P. anceps* p. 179, *scabrosa* p. 180, *melonosa* p. 181, *rugosa* p. 184, **spp. n.** Australia figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

Polyzosteria rouxi p. 320, *terrosa* p. 321, *albipalpis* p. 322, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.

Pseudoglomeris dubia p. 337, *semisulcata* p. 338, **spp. n.** Yunnan, HANITSCH J. Asiat. Soc. Bengal N.S. **20.**

Pycnoscelus surinamensis nymphs pp. 154–157 figs., CAUDELL Proc. Ent. Soc. Wash. **27.**

Stylopyga angusta p. 332, *rufescens* p. 333, *vicina* p. 334, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.—*S. shelfordi* Queensland p. 203, *papuae* Papua p. 204, **spp.n.**, SHAW Proc. Linn. Soc. N.S.W. **50.**

Supella supellectilium notes pp. 198–204 figs., EBNER Bull. Soc. R. ent. Egypte **1925**; new to Australia p. 115, SHAW Queensl. Nat., Brisbane **6** 1924.

Supellina sarasini p. 311, *rouxi* p. 312, *minuta* p. 313, *uvarovi* p. 314, *brunnea, grandis* p. 315, **spp. n.** New Caledonia figs., CHOPARD Nova Caledonia A Zool. **3** 1924.

†*Sysciophlebia euglyptica* **f. n.** *expansa* Commentry p. 51 fig., BOLTON Br. Mus. (Nat. Hist.) Fossil Insects no. **2.**

Temnelytra key, *tryoni* **sp. n.** Queensland p. 197 figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

Temnopteryx bimaculata **sp. n.** New Caledonia p. 319 figs., CHOPARD Nova Caledonia A Zool. **3** 1924.

Tryonicus **gen. n.** *montanus* **sp. n.** Queensland p. 202 figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

Zonioploca bicolor **sp. n.** W. Australia p. 186 figs., SHAW Proc. Linn. Soc. N.S.W. **50.**

MANTIDAE.

Notes on American Mantodea, WERNER Konowia **4** pp. 160–168.

Distribution of Mantodea in S.W. Africa, systematic and synonymical notes pp. 105–130, WERNER Beitr. Kennt. Fauna Deutsch-Südwestafrikas **2** 1923.

Amorphoscelis austrogermanica **sp. n.** S.W. Africa p. 109, WERNER t.c.

Calamothespis lineatipennis **sp. n.** S.W. Africa p. 125, WERNER t.c.

Compsothespis michaelseni **sp. n.** S.W. Africa p. 109, WERNER t.c.

Empusa egena female genitalia and early stages p. 177, BUGNION Mém. Soc. vaud. Sci. nat. **1** 1924,

Galepsus focki p. 112, *thomseni* p. 113, **spp. n.** S.W. Africa, WERNER Beitr. Kennt. Fauna Deutsch-südwestafrikas **2** 1923.

Hierodula (*Parhierodula*) *venosa*, change in colour of eyes p. 173, JACOBSON Treubia **6.**

Iris tricolor **sp. n.** S.W. Africa p. 123, WERNER Beitr. Kennt. Fauna Deutsch-südwestafrikas **2** 1923.

Mantis religiosa female genitalia and early stages p. 177, BUGNION Mém. Soc. vaud. Sci. nat. **1** 1924; distribution in France p. 56, DULAC C.R. Soc. Hist. nat. Autun **23** 1924.

Micrentella fuliginosa **sp. n.** S.W. Africa p. 117, WERNER Beitr. Kennt. Fauna Deutsch-südwestafrikas **2** 1923.

Miomantis savignyi parthenogenesis pp. 104–148, ADAIR Bull. Soc. R. ent. Egypte **1924.**

Ommatentella **gen. n.** *brunni* **sp. n.** S.W. Africa p. 118, WERNER Beitr. Kennt. Fauna Deutsch-südwestafrikas **2** 1923.

Palaeophotina **gen. n.** *schneideri* **sp. n.** S.W. Africa p. 120 figs., WERNER t.c.

Sphodromantis occidentalis **var. n.** *inornata* S.W. Africa p. 123, WERNER t.c.

Stagmomantis denticollis Colombia, *longicollis* Chiriqui, **spp. n.** p. 163, WERNER Konowia **4.**

Tarachina constricta **sp. n.** S.W. Africa p. 114, WERNER Beitr. Kennt. Fauna Deutsch-südwestafrikas **2** 1923.

PHASMIDAE.

Development and reproduction in Phasmidae, PEHANI Zs. wiss. Zool. **125** pp. 167–238 2 pls. 7 figs.

Distribution of S.W. African Phasmodea, systematic and synonymical notes, WERNER Beitr. Kennt. Fauna Deutsch-südwestafrikas **2** 1923 pp. 105–130.

Carausius hilaris gynandromorph p. 267, BLANC Bull. Soc. vaud. Sci. nat. **55** 1924.—*C.* (*Dixippus*) *morosus* teratology, CAPPE DE BAILLON C.R. Soc. Biol. **93** pp. 163–164, C.R. Acad. Sci. **181** pp. 479–481; transplantation of head p. 75 figs., KAHN Zool. Anz. **62**; biology p. 33, MEISSNER Ent. Zs. **38** 1924; regeneration of limbs p. 65,

MEISSNER Ent. Zs. **39**; postembryology p. 431 figs., TITSCHACK Zs. wiss. Zool. **123**; oogensis p. 16 figs., ZAKOLSKA Kosmos **45** 1920.

†Necrophasmidae **fam. n.** Jurassic, Turkestan p. 584, MARTYNOV Bull. Acad. Sci. Russ. **19**.

†*Necrophasma* **gen. n.** *shabarovi* **sp. n.** Jurassic, Turkestan p. 584 fig., MARTYNOV t.c.

GRYLLIDAE.

Notes on the group Sciobiae, BOLÍVAR Eos **1** pp. 375–440 19 figs.

List and synonymy of Ceylon Gryllidae, CHOPARD Ann. Mag. N. H. (9) **15** pp. 506–535.

Allogryllus **gen. n.** *homalonyx* **sp. n.** Simalur I. p. 296 figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Anaxipha nemobioides **sp. n.** Java p. 152 fig., CHOPARD Treubia **6**.—*A. pubescens* **sp. n.** Ceylon p. 530, fig., CHOPARD Ann. Mag. N.H. (9) **15**.—*A. vicina* **sp. n.** Philippines p. 311 figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Aphonomorphus gracilis **sp. n.** Philippines p. 327 figs., CHOPARD t.c.

Arachnocephalus longicercis Simalur I. p. 298, *shackletoni* St. Paul Rocks p. 299 **spp. n.** figs., CHOPARD t.c.

Arthroblemmus **subgen. n.** see *Sciobia*.

Cryptoptilum apterum **sp. n.** Java p. 149 fig., CHOPARD Treubia **6**.

Cycloptiloides ceylonicus **sp. n.** Ceylon p. 520 figs., CHOPARD Ann. Mag. N.H. (9) **15**.—*C. orientalis* **sp. n.** Sumatra p. 301 figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Cyrtoxipha greeni **sp. n.** Ceylon p. 532 fig., CHOPARD Ann. Mag. N. H. (9) **15**.

Diatrypa benoisti **sp. n.** Fr. Guiana p. 319 fig., CHOPARD Ann. Soc. ent. Fr. **94**.

Eurepa ferruginea see *Luzaropsis*.

Euscyrtus longecaudatus Java, *major* Sumatra p. 330, *maculipennis* Belgian Congo p. 331, **spp. n.** figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Gryllodes rufoniger Philippines p. 292, *sibiricus* Siberia p. 293, *fuscopunctatus* Turkestan, *ornaticeps* E. Africa p. 294, **spp. n.** figs., CHOPARD Ann. Soc. ent. Fr. **94**.—*G. greeni* **sp. n.** Ceylon p. 511 fig., CHOPARD Ann. Mag. N. H. (9) **15**.—*G. aspersus* Wlk. (= *berthellus* Sauss.) p. 317, UVAROV J. Asiat. Soc. Bengal N.S. **20**.

Gryllotalpa inermis **sp. n.** Australia p. 30, CHOPARD Ann. Soc. ent. Fr. **94**.—*G. vulgaris* spermatogenesis p. 437 figs., VOÏNOV Arch. Zool. **63**.

Gryllus nitidus **sp. n.** Algeria p. 291, CHOPARD Ann. Soc. ent. Fr. **94**.—*G. pallipes* **sp. n.** Ceylon p. 510 figs., CHOPARD Ann. Mag. N. H. (9) **15**.—†*G. vociferans* **sp. n.** Tertiary, Argentina p. 712 fig., COCKERELL Nature **116**.—*G.* key p. 79, *pennsylvanicus*, *luctuosus* immature stages p. 80, CRIDDLE Can. Ent. **57**.—*G. desertus* **f. n.** *alata* S. Russia p. 133; *campestris* **subsp. n.** *cephalotes* Bulgaria p. 152, RAMME Arch. Natg. **86** A 12 (1920) 1921.—*G. campestris* moults p. 31, SCHJELDERUP-EBBE Ent. Zs. **38** 1924.—*G. parviceps* see *Itaropsis*.

Heterotrypus vitalisi p. 313, *tonkinensis* p. 314 Tonkin, *jacobsoni* Simalur I. p. 315, *testaceus* Pulu-Babi p. 316, **spp. n.** figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Holoblemmus **gen. n.** (near *Sciobia*) p. 391, *schulthessi* **sp. n.** Morocco p. 392, BOLÍVAR Eos **1**.

Homalogryllus **gen. n.**, *depressus* **sp. n.** Ceylon p. 523 fig., CHOPARD Ann. Mag. N. H. (9) **15**.

Itara minor **sp. n.** Tonkin p. 312 figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Itaropsis **gen. n.** for *Gryllus parviceps* Wlk. Ceylon p. 510, CHOPARD Ann. Mag. N. H. (9) **15**.

Landreva subaptera **sp. n.** Ceylon p. 517 fig., CHOPARD t.c.

Liphoplus ceylonicus **sp. n.** Ceylon p. 519 fig., CHOPARD t.c.

Lissoblemmus alluaudi p. 395, *praticola* p. 396, *azruensis* p. 397, (**subgen. n.** *Mesoblemmus* type *appunctatus* Bol. p. 398), *uvarovi* p. 400, *cephalotes* p. 401, *tristis* p. 403, (**subgen. n.** *Mitroblemmus* p. 405) type *chopardi* (with **var. n.** *parabolica*) p. 407, **spp. n.** Morocco fig., BOLÍVAR Eos **1**.

Lissotrachelus niger ♂ described Tonkin p. 303 fig., CHOPARD Ann. Soc. ent. Fr. **94**.

Luzaropsis **gen. n.** for *Eurepa ferruginea* Wlk. Ceylon p. 521 figs., CHOPARD Ann. Mag. N. H. (9) **15**.

Madasumma greeni **sp. n.** Ceylon p. 533 figs., CHOPARD t.c.—*M. fuscoirrorata* p. 320, *bakeri* p. 322, *vicina* p. 323 Philippines, *willemsei* Sumatra p. 324, **spp. n.** figs., CHOPARD Ann. Soc. ent. Fr. **94**.—*M. hibinonis* breeding pp. 523–531, OKAZAKI Dobuts. Z. **34** 1922.

Mesoblemmus **subgen. n.** see *Lissoblemmus*.

Metioche unicolor **sp. n.** Ceylon p. 526 figs., CHOPARD Ann. Mag. N. H. (9) **15**.

Mitroblemmus **subgen. n.** see *Lissoblemmus*.

Myrmecophila longitarsis **sp. n.** Australia p. 298 fig., CHOPARD Ann. Soc. ent. Fr. **94**.

Nemobiodes laeviceps p. 513, *nigrocephalus* p. 514, **spp. n.** Ceylon fig., CHOPARD Ann. Mag. N. H. (9) **15**.

Nemobius karnyi **sp. n.** Java p. 148 fig., CHOPARD Treubia **6**.

Oecanthus niveus physiological variation pp. 363–383 figs., FULTON Ann. Ent. Soc. Amer. **18**.

Paranaxipha **gen. n.**, *ornatipes* **sp. n.** Ceylon p. 528 fig., CHOPARD Ann. Mag. N. H. (9) **15**.

Paranisitra **gen. n.** p. 317, *longipes* **sp. n.** Philippines p. 318 fig., CHOPARD Ann. Soc. ent. Fr. **94**.

Paratrigonidium fuscocinctum **sp. n.** Java p. 151 fig., CHOPARD Treubia **6**.

Parendacustes pictus Simalur I. p. 304, *javanus* Java p. 306, *punctulatus* Sumatra p. 307, *philippinensis* Philippines p. 309, **spp. n.** figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Pentacentrus unicolor **sp. n.** Java p. 150 fig., CHOPARD Treubia **6**.

Podoscirtus flavithorax Java p. 325, *elongatus* Costa Rica p. 326, **spp. n.** figs., CHOPARD Ann. Soc. ent. Fr. **94**.

Rhicnogryllus **gen. n.** *fascipes* **sp. n.** Philippines p. 310 figs., CHOPARD t.c.

Sciobia (*Platyblemmus*) *aterrima* p. 414 **sp. n.**; *finoti* **var. n.** *straminea* p. 417; *escalerai* p. 419, *ambigua* p. 421, *polita* p. 424, *chevreuxi* p. 425, *xauensis* p. 428 Morocco (**subgen. n.** *Arthroblemmus* p. 431), *bouvieri* p. 433 Algeria **spp. n.**, BOLÍVAR Eos **1**.

TETTIGONIIDAE.

Monograph on the Phyllophorinae with keys, KARNY Treubia **5** 1924 (Supplement) 142 pp. fig.

Gryllacridae of Buru I., Moluccas, KARNY Treubia **7** pp. 41–84 7 figs. 3 pls.

List of Gryllacridae of New Guinea, KARNY Nova Guinea **15** livr. 1 1924 pp. 9–17.

Agroecia cooksonii **sp. n.** Galapagos Is. p. 87, BUTLER Proc. Zool. Soc. **1877**.

Caedicia simplex eggs p. 372 fig., LYSAGHT N. Z. J. Sci. & Techn. **7**.

Cratomelus monticellii **sp. n.** Chile p. 2 figs., SALFI Ann. Mus. zool. R. Univ. Napoli **5** no. 10.

Cyrtophyllus ♂ germ cells p. 305 figs., MORGAN Anat. Rec. **30**.

Dolichopoda azami biology p. iv, HUGUES Bull. Soc. Étud. Sci. nat., Nîmes **43** 1924.

Gregoryella **gen. n.** p. 315, *dimorpha* **sp. n.** Yunnan p. 316 figs., UVAROV J. Asiat. Soc. Bengal N.S. **20**.

Gryllacris arctatiformis (= *arctata* Karny nec Wlk.) p. 132, *pictipes* p. 134 **spp. n.**; *plebeia* subsp. *immaculata* further description p. 139, **subsp. n.** *connexa* p. 141; *fuscinervis* **var. n.** *panayensis* p. 144; *nigrogeniculata* further description p. 146 (with **subsp. n.** *tristis* p. 148); *siderea* p. 149, *recticauda* p. 152, *melanosticta* p. 154, *samarita* p. 155, *modesta* p. 156, *emarginata* p. 157, *privata* p. 158, *sectoralis* p. 159 **spp. n.**; *maculipennis* **subspp. n.** *laticauda* p. 160, *specularis* p. 161; *nasalis* **subsp. n.** *sibuyana* p. 163; *pustulata* key p. 164 (with **subsp. n.** *ocellaris* p. 165) Philippines; *discoidalis* **subsp. n.** *atropicta* Singapore p. 167, *punctifrons* key to allied spp. p. 154, figs., KARNY Phil. J. Sci. **28**.—*G.* redescription and figs. of Malayan spp., *separata* p. 9, *pusilla* p. 12 **spp. n.**; *atrata* **var. n.** *conjuncta* p. 16 Malay States; *ruficeps* **subsp. n.** *viridiceps* W. Java p. 28; *lombokiana* Lombok p. 36, *robinsoni* F. M. S. p. 37, *boden-klossi* Siam p. 41 (with **subsp. n.** *impunctata* Malay States) p. 43 **spp. n.**; *podocausta* **subspp. n.** *ufivertex* Malay States, *nigrivertex* no locality p. 44; *pendleburyi* p. 56, *dammermani* p. 58 (with **var. n.** *pictifrons* p. 60) **spp. n.**; *fasciata crassiuscula*

var. n. *pallidifrons* p. 62 Malay States; *microptera* **sp. n.** Siam p. 62, key to spp. of the *fasciata* group p. 54 figs., KARNY J. Fed. Malay St. Mus. **13** 1.—*G.* wings p. 35, reproductive organs p. 45; *grobbeni* Java p. 51, *hatscheki* Sumatra p. 53, **spp. n.** figs., KARNY Zs. wiss. Zool. **125**.—*G.* key to spp. of Moluccas, Key Is., Celebes and Lesser Sunda Is. p. 48, *toxopei* p. 56, *eta* p. 70 **spp. n.**; *eta* **var. n.** *aneta* p. 73; *inconspicua* **subsp. n.** *conspicua* p. 78; *brevicauda* **sp. n.** p. 79 Buru (Moluccas) fig., KARNY Treubia **7**.

Holochlora japonica life-history pp. 143–146, 302–306, OKAZAKI Insect World **26** 1922.

Hyperhomala variegata **varr. n.** *neptuni* p. 107, *ferrugata* p. 108 New Guinea fig., KARNY Treubia **5** 1924 (Supplement).

Isophya chersonensis **sp. n.** S. Russia p. 131 figs., RAMME Arch. Natg. **86** A 12 (1920) 1921.

Leptophyes punctatissima gynandromorph p. 93 figs., CAPPE DE BAILLON Cellule **34**.—*L. punctatissima* in Germany, biology p. 165, HEYMONS D. ent. Zs. **1925**.

Lutosa cubensis **var. n.** *inermis* Chile p. 2, SALFI Ann. Mus. zool. R. Univ. Napoli **5** no. 10.

Metrioptera brachyptera gynandromorph p. 73 figs., CAPPE DE BAILLON Cellule **34** 1924.

Microcentrum rhombifolium auditory organs p. 233 figs., DAHLGREN Nat. Hist., New York **25**.

Mimetica tuberata **sp. n.** Costa Rica p. lxvi, VIGNON Trans. Ent. Soc. London **1924**.

Phyllophora pellucida New Guinea p. 59, *longicerca* Ceram p. 61, *retroflexa* Key Is. p. 63, *acuminata* p. 69, *erosifolia* p. 73 New Guinea, *filicerca* no locality p. 75, *laminata* Halmahera p. 77 **spp. n.**; *lanceolata* **varr. n.** *quinquedentata*, *dubia* p. 82 Amboina; *guttata* Ceram p. 83, *picta* New Guinea p. 85, *parvidens* Digoel p. 87, *bidentata* Ceram p. 89, *bispinosa* p. 91, *heurnii* p. 92 New Guinea, **spp. n.** fig., KARNY Treubia **5** 1924 (Supplement).—*P. phillippinica*, *bakeri*, see *Phyllophorina*.

Phyllophorella **gen. n.** (near *Phyllophora*) type *salomonis* Solomon Is. p. 125, *transiens* Bismarck Arch. p. 111, *subinermis* p. 113, *ocellata* p. 116, *crassa* p. 117, *laevicollis* p. 120 New Guinea, *brevicerca* Solomon Is. p. 122, **spp. n.** fig., KARNY Treubia **5** 1924 (Supplement).

Phyllophorina **gen. n.** for *Phyllophora phillippinica* Bruner, *bakeri* Karny p. 49, KARNY Treubia **5** 1924 (Supplement).

Platycleis coracis Greece p. 125, *falzfeini* S. Russia p. 131, **spp. n.** figs., RAMME Arch. Natg. **86** A 12 (1920) 1921.—*P. grisea* **var. n.** *collina* Barcelona p. 19, NAVÁS Publ. Junta Ciên. nat. **4** no. 10 1924.

Pristoceuthophilus gaigei **sp. n.** Washington p. 39 fig., HUBBELL Pan-Pacific Ent. **2**.

Pycnogaster bolivari biology p. 358, EBNER Zs. wiss. Zool. **125**.

Rhacocleis key, Italy p. 45, SALFI Rend. Un. zool. ital. Genova **1923** (in Mon. zool. ital. **35**).

Rhaphidophora buruensis **sp. n.** Moluccas p. 43 fig., KARNY Treubia **7**.—*R. kinabaluensis* **sp. n.** N. Borneo p. 4 figs., KARNY J. Fed. Malay St. Mus. **13** 1.

Sasima bifurcata Celebes p. 28, *aequalis* p. 32, *angulipennis* p. 35 N. Guinea **spp. n.** fig., KARNY Treubia **5** 1924 (Supplement).

Sasimella **gen. n.** (near *Phyllophora*) type *latifolia* Sula I. p. 56, *aequifolia* Buru p. 54 **spp. n.** fig., KARNY t.c.

Sasimoides **gen. n.** p. 46, *spinosissima* **sp. n.** N. Guinea p. 47 fig., KARNY t.c.

Sia ferox **subsp. n.** *incisa* Malay States p. 3 fig., KARNY J. Fed. Malay St. Mus. **13** 1.

Siliquoferella **gen. n.** (near *Siliquofera*) p. 127, *emarginata* **sp. n.** Philippines p. 128 fig., KARNY Treubia **5** 1924 (Supplement).

Tettigonia (*Locusta*) *viridissima* respiration p. 635 figs., DE BUISSON Bull. Classe Sci. **10** 1924; gynandromorph p. 164, RAMME Arch. Natg. **86** A 12 (1920) 1921.

Topana cornuta **sp. n.** Br. Guiana p. 682, UVAROV Ann. Mag. Nat. Hist. (9) **15**.

Typophyllum, classification, mimicry pp. 249–281, *trigonum* p. 262, *quadriincisum* p. 265 Brazil, *acutum* Peru p. 270, *bolivari* Brazil p. 273, **spp. n.**, VIGNON Eos **1**.

ACRIDIDAE.

Notes on the morphology of Acridids, BARANOV Défense des Plantes **2** pp. 8–9.

A new classification of Acridodea, BARANOV Landw. Versuchsst. in Topčider no. 3 1925 28 pp. figs.

Taeniopodae of the United States, HEBARD Trans. Amer. Ent. Soc. **51** pp. 1–12 figs.

Identification of the stages of some Acridian larvae, LEBEDEV Défense des Plantes **2** pp. 309–311.

The number of egg-masses laid by females of some Acridids, MALJTZEV Défense des Plantes **2** pp. 301–306.

List of Acrididae of Tukuyu, Tanganyika Terr., MILLER Ann. Mag. N. H. (9) **15** pp. 618–634 figs.

Grasshoppers of Br. Columbia, ecology, TREHERNE & BUCKELL Canada Dept. Agric. Bull. **39** N.S. (Ent. Bull. **26**) 1924 40 pp. figs.

Synonymy and identification of types of Acrididae in the British Museum, UVAROV Trans. Ent. Soc. Lond. **1924** pp. 265–301.

Acrididae of European Russia and W. Siberia, keys, synonymy, distribution, UVAROV Moscow 1925 120 pp. 115 figs.

Acrididae from the Himalayas, UVAROV Mission Babault Inde, Acrididae 1925 40 pp. 1 pl.

†Aboilidae **fam. n.** Jurassic, Turkestan p. 581, MARTYNOV Bull. Acad. Sci. Russ. **19**.

†*Aboilus* **gen. n.** *fasciatus* **sp. n.** Jurassic, Turkestan p. 581 figs., MARTYNOV t.c.

Acinipe, variation in N. African spp., *marmarica* **sp. n.** Libya p. 293 fig., SALFI Bol. Soc. Nat. Napoli **36**.

Acridium obtusiferum see *Catantops innotabilis*.

Amblyxypha **gen. n.** for *Opomala vittata* Wlk. p. 291, UVAROV Trans. Ent. Soc. Lond. **1924**.

Anacridium moestum melanorhodon habits in Sudan p. 91, JOHNSTON Sudan Notes & Rec. **7** no. 2 1924.

Anoxyrrhepes **gen. n.** p. 180, *natalensis* **sp. n.** Pietermaritzburg p. 181 fig., UVAROV Ann. Natal Mus. **5**.

Anthermus ornatus **sp. n.** Tanganyika p. 632 figs., MILLER Ann. Mag. N. H. (9) **15**.—*A. swynnertoni* **sp. n.** Rhodesia p. 630, UVAROV Ann. Mag. N. H. (9) **16**.

Aphanaulacris **gen. n.** for *Heteracris perficita* Wlk. p. 287, UVAROV Trans. Ent. Soc. Lond. **1924**.

Apotettix eurycephalus genitalia p. 217 figs., HARMAN J. Morph. **41**.—*A. eurycephalus* inheritance and evolution 231 pp. figs., NABOURS Kansas State Agric. Col. Expt. Sta. Tech. Bull. **17**.

Arcyptera flavicosta **subsp. n.** *turanica* Turkestan p. 260, UVAROV J. Bombay N. H. Soc. **30**.

Aulacobothrus sinensis **sp. n.** Yunnan p. 318, UVAROV J. Asiat. Soc. Bengal N.S. **20**.

Austroicetes **n. n.** for *Chortoicetes* Sjöst. nec Brancs. p. 271, UVAROV Trans. Ent. Soc. Lond. **1924**.

Biroella, key p. 101, *gracilis* p. 105, *papuana* p. 107, *rammei* p. 109, *rufipes* p. 115, *inconspicua* p. 117, *fissa* p. 118, *forficulata* p. 119, *bürgersi* p. 121, *carinata* p. 123, *bilobulata* p. 124, *longicercata* p. 125, *torresi* p. 126, *ornata* p. 129, **spp. n.**; *ornata* **subsp. n.** *plebeja* p. 131; *bolivari* **subspp. n.** *polita* p. 111, *luteofemorata* p. 114, New Guinea, BOLÍVAR Y PIELTAIN Eos **1**.

Bryodema tuberculata holdereri Kr. (= var. *hyaloptila* Karny), *barabensis* var. *rhodopa* F.-W. (= var. *rhodophila* Karny) p. 172, UVAROV Ann. Mag. N.H. (9) **16**.

Bryophyma debilis **subsp. n.** *robusta* Tanganyika p. 625 fig., MILLER Ann. Mag. N. H. (9) **15**.

Calliptamus italicus **r. n.** *anachoretus* Serbia p. 16, BARANOV Landw. Versuchsst. in Topčider no. 3 1925.

Caloptenus ferrugineus, immunis see *Catantops innotabilis*.

Catantops tukuyuensis **sp. n.** Tanganyika Terr. p. 630 fig., MILLER Ann. Mag. N.H. (9) **15**.—*C. innotabilis* Wlk. (=

Caloptenus ferrugineus Wlk., *C. immunis* Wlk., *Acridium obtusiferum* Wlk., *Catantops indicus* Bol.) p. 30, UVAROV Mission Babault Inde, Acrididae 1925.

Ceracris revision pp. 11–17, *striata* **sp. n.** India p. 16, UVAROV Ent. Mitt. **14.**

Chorthippus parallelus spermatogenesis p. 200 figs., JANSSENS Cellule **34** 1924; macropterous form p. i, LUCAS Trans. Ent. Soc. Lond. **1925.**—*C.*, key p. 139, *kozhevnikovi* **sp. n.** p. 135; *parallelus* **subsp. n.** *turanicus* p. 137 Turkestan fig., TARBINSKY Konowia **4.**

Chortoicetes see *Austroicetes.*

Chrysochraon spp. distribution p. 196, SALFI. Boll. Soc. Nat. Napoli **35** 1924.—*C. dispar* **subsp. n.** *major* Turkestan p. 260, UVAROV J. Bombay N. H. Soc. **30.**

Conophyma zubovskyi p. 551, *miramae* p. 553, *jacobsoni* p. 554, *plotnikovi* p. 556, *pylnovi* p. 558, *ikonnikovi* p. 559, **spp. n.** Turkestan; *mitchelli* ♂ described p. 552, catalogue of spp. p. 560, UVAROV J. Bombay N.H. Soc. **30.**

Dicranophyma babaulti **sp. n.** Kashmir p. 31, key to spp. p. 33 figs., UVAROV Mission Babault Inde, Acrididae 1925.

Dociostaurus maroccanus **r. n.** *degeneratus* Montenegro p. 14, BARANOV Landw. Versuchsst. in Topčider no. 3 1925.

Dysanema **gen. n.** p. 168, type *irvinei* p. 169, *malloryi* p. 171, **spp. n.** M. Everest figs., UVAROV Ann. Mag. N.H. (9) **16.**

Eucoptacra pedestris **sp. n.** Rhodesia p. 631, UVAROV t.c.

Gastrimargus nubilus **sp. n.** Yunnan p. 325, UVAROV J. Asiat. Soc. Bengal N.S. **20.**

Heteracris perficita see *Aphanaulacris.*

Heteropternis pudica **ab. n.** *flavipennis* Cape Province p. 176, UVAROV Ann. Natal Mus. **5.**

Hilethera, revision, further characters of genus pp. 33–36, key p. 36, *Lerina buxtoni* Uv. transferred to, *turanica* Turkestan p. 38, *sudanica* Sudan p. 40 **spp. n.** figs., UVAROV Eos **1.**

Homalohippus **gen. n.** p. 163, *coerulipes* p. 164, *rufipes* p. 167 **spp. n.** Cape Province fig., UVAROV Ann. Natal Mus. **5.**

Hyboella tibetana **sp. n.** Mt. Everest p. 165, UVAROV Ann. Mag. N. H. (9) **16.**

Leptopternis gracilis Ev. (= *Sphingonotus angustipennis* Sauss.), *iliensis* **sp. n.** Turkestan p. 262, UVAROV J. Bombay N. H. Soc. **30.**

Lerina buxtoni see *Hilethera.*

Lithidium **gen. n.** p. 177, *pusillum* **sp. n.** Cape Province p. 178 fig., UVAROV Ann. Natal Mus. **5.**

Locusta migratoria bionomics 330 pp. fig., NIKOLSKI Trans. Dept. App. Ent. **12** no. **2**; reproductive organs and embryology ♂ p. 75 figs., IWANOWA Zool. Anz. **65**; bionomics, variability p. 295 figs., MAKALOWSKAJA Zool. Anz. **64**; bionomics Central Russia pp. 151–153, PREDTETSHENSKIJ Défense des Plantes **2.**—*L. danica* epithelium of the mesointestine p. 143, SALFI Boll. Soc. Nat. Napoli **35** 1924.—*L.* (*Pachytylus*) *migratorioides* morphology pp. 191–203, TAKAHASHI Dobuts. Zass. **37.**

Locustana pardalina spermatogenesis p. 1, MALAN & MALAN Trans. R. Soc. S. Africa **13.**

Mekongia **gen. n.** *gregoryi* **sp. n.** Yunnan p. 330 fig., UVAROV J. Asiat. Soc. Bengal N.S. **20.**

Melanoplus differentialis coition p. 233, LANGFORD & BURNETT J. Econ. Ent. **18**; distribution p. 215, DAVIS J. New York Ent. Soc. **32** 1924.—*M. occidentalis* teratology pp. 285–290 fig., GLASGOW Psyche **32.**—*M. bowditchi* **subsp. n.** *canus* Montana p. 120 figs., HEBARD Proc. Acad. Nat. Sci. **77.**—*M. stonei* in Michigan pp. 168–173, HUBBELL Ent. News **36.**

Mesopsis brevicauda **sp. n.** Tanganyika Terr. p. 626 figs., MILLER Ann. Mag. N. H. (9) **15.**

Mnesicles bürgersi **sp. n.** New Guinea p. 94 fig., BOLÍVAR Y PIELTAIN Eos **1.**

Oedipoda himalayana **sp. n.** Kashmir p. 22 figs., UVAROV Mission Babault Inde, Acrididae 1925.

Omocestus hingstoni **sp. n.** Mt. Everest p. 166 figs., UVAROV Ann. Mag. N. H. (9) **16.**—*O. enitor* **sp. n.** Yunnan Mts. p. 319 fig., UVAROV J. Asiat. Soc. Bengal N.S. **20.**

Opomala vittata see *Amblyxypha.*

Orinhippus tibetanus ♂ described Mt. Everest p. 173 fig., UVAROV Ann. Mag. N.H. (9) **16.**

Oxya revision pp. 1–60, key to females p. 10, *universalis* Formosa, China, Malay Arch. p. 21, *bidentata* p. 24, *oryzivora* p. 25 India, *adentata* China p. 26, *uvarovi* India, Mauritius p. 27, *tridentata* India, Ceylon p. 30, *japonica* Japan p. 31, *asinensis* India, Ceylon p. 32, *rufostriata* India p. 33, *insularis* Malacca, Ceylon p. 34, *grandis* India p. 36, *siamensis* Siam p. 37, *acuminata* India, Ceylon p. 42, *multidentata* India p. 44, *ebneri* India, Singapore p. 46, *shanghaiensis* China p. 54, *paravicina* Indo-China p. 55, **spp. n.**, figs., WILLEMSE Tijdschr. Ent. **68.**—*O. vicina* sound of ♀ pp. 147–148, SONAN Insect World **26** 1922.

Pachytylus see *Locusta.*

†Pamphagopsidae **fam. n.** (near Locustopsidae) Jurassic, Turkestan p. 577 figs., MARTYNOV Bull. Acad. Sci. Russ. **19.**

†*Pamphagopsis* **gen. n.** *maculata* p. 578, *modesta* p. 579, **spp. n.** Jurassic, Turkestan figs., MARTYNOV t.c.

Phaeoparia havilandae **sp. n.** Br. Guiana p. 680, UVAROV Ann. Mag. N. H. (9) **15.**

Phorenula rugulosa **sp. n.** Orange Free State p. 168, UVAROV Ann. Natal Mus. **5.**

Phyxacra uvarovi **sp. n.** Tanganyika Terr. p. 623 figs., MILLER Ann. Mag. N. H. (9) **15.**

Pieltainidia **gen. n.** *mira* (type) p. 199, *karaseki* **spp. n.** E. Africa p. 200 fig., RAMME Eos **1.**

Platypterna N. African spp., *lybica* **sp. n.** Libya p. 289 fig., SALFI Bol. Soc. Nat. Napoli **36.**

Podismopsis poppiusi Miram, a subsp. of *altaica* Zub. p. 45, BEI-BIENKO Trans. Sib. Agric. Acad. **5.**

Pseudochirista fallax **subsp. n.** *elongata* Tanganyika Terr. p. 620 fig., MILLER Ann. Mag. N. H. (9) **15.**

Pternoscirta pulchripes **sp. n.** Yunnan p. 326, UVAROV J. Asiat. Soc. Bengal N.S. **20.**

Quilta oryzae **sp. n.** Siam p. 159 figs., UVAROV Bull. Ent. Res. **16.**

Schistocerca paranensis bionomics in Mexico, HOFFMANN, DAMPF & VARELA Monog. Inst. Higiene no. 3 140 pp. 46 pls.

Shelfordites (?) *nanus* **sp. n.** Cape Province p. 182 fig., UVAROV Ann. Natal Mus. **5.**

Sphingonotus cyanopterus Charp. and *S. callosus* Fieb. synonymy p. 94, RAMME Arch. Natg. **86** A 12 (1920) 1921.—*S. coerulans* **subsp. n.** *maculatus* p. 264, *callosus* Fieb. good sp.; *halocnemi* **sp. n.** p. 265; *obscuratus* key to subspp. p. 269 (with **subspp. n.** *latissimus*, *transcaspicus* p. 268 Turkestan) much synonymy, UVAROV J. Bombay Nat. Hist. Soc. **30.**—*S. yunnaneus* **sp. n.** Yunnan p. 328, UVAROV J. Asiat. Soc. Bengal N.S. **20.**—*S. longipennis* Sauss. (= *indus* Sauss.) p. 17, *kashmirensis* **sp. n.** p. 18 Kashmir figs., UVAROV Mission Babault Inde, Acrididae 1925.—*S. angustipennis* see *Leptopternis gracilis.*—*S. coerulans* var. *pilosa* see *Thalpomena pilosa.*

Stauroderus intermedius **sp. n.** Altai p. 47, key to related spp. p. 49, BEI-BIÉNKO Trans. Sib. Agric. Acad. **5.**—*S. mollis* Charp. a good species p. 81, RAMME Arch. Natg. **86** A 12 (1920) 1921.—*S. yunnaneus* **sp. n.** Yunnan Mts. p. 321 fig., UVAROV J. Asiat. Soc. Bengal N.S. **20.**

Stenobothrus stigmaticus **f. n.** *longipennis* Russia p. 208, TARBINSKIJ Défense des Plantes **1.**

Stethophyma grossum spermatogenesis p. 141 figs., JANSSENS Cellule **34** 1924.

Thalpomena pilosa Sauss. (= *Sphingonotus coerulans* var. *pilosa* Sauss.) type redescribed N. Persia p. 261, UVAROV J. Bombay Nat. Hist. Soc. **30.**

Thyridota **gen. n.** p. 160, *dispar* **sp. n.** Orange Free State p. 161 fig., UVAROV Ann. Natal Mus. **5.**

Tmethis tartarus **subsp. n.** *montanus*; *karatavicus* Uv. good sp., *transiens* p. 269, *ferghanensis* p. 270, *crassus* p. 271, **spp. n.** Turkestan, UVAROV J. Bombay Nat. Hist. Soc. **30.**

Trimerotropis coition p. 233, LANGFORD & BURNETT J. Econ. Ent. **18.**

Urrutia **gen. n.** (near *Clerithes*) p. 201, *somalica* **sp. n.** Somaliland p. 202 fig., RAMME Eos **1.**

Xenippa prasina supplementary description p. 35, UVAROV Mission Babault Inde, Acrididae 1925.

Xenoderus **gen. n.** *montanus* **sp. n.** Yunnan Mts. p. 323 fig., UVAROV J. Asiat. Soc. Bengal N.S. **20.**

Xenotettix **gen. n.** p. 170, *armipes* p. 172, *calcarata* p. 175, **spp. n.** Cape Province fig., UVAROV Ann. Natal Mus. **5.**

Yunnanites **gen. n.** p. 332, *coriacea* **sp. n.** Yunnan p. 333 fig., UVAROV J. Asiat. Soc. Bengal N.S. **20.**

EXTINCT ALLIED ORDERS.

†Blattinopsidae **fam. n.** (Protoblattoidea) p. 23, BOLTON Br. Mus. (Nat. Hist.) Fossil Insects **no. 2.**

†*Blattinopsis ornata* p. 26, *fimbriata* p. 29, **spp. n.** Commentry figs., BOLTON t.c.

†*Caloneura* (Protorthoptera) *subtilis* **sp. n.** Commentry p. 16 fig., BOLTON t.c.

THYSANURA.

Notes on Japygidae, KUWAYAMA Insect World **26** 1922 pp. 5–9, 37–39 fig.

Atelura manni **sp. n.** Bolivia p. 43 fig., CAUDELL Proc. Ent. Soc. Wash. **27.**

Japyx japonicus notes on, in Japan p. 38 fig., KUWAYAMA Insect World **26** 1922.

Machilis maritima locomotion, food and abdominal vesicles p. 306 figs., WILLEM Bull. biol. France Belgique **58** 1924.

Pedetontus palaearcticus **sp. n.** Kamtchatka p. 1 fig., SILVESTRI Ark. Zool. **17** A no. 35.

COLLEMBOLA.

Notes on and list of shore-dwelling Collembola in Britain, BROWN Ann. Mag. N. H. (9) **16** p. 159.

Notes on New Zealand Collembola, CARPENTER Mem. Manchester Lit. Phil. Soc. **69** pp. 88–102 figs.

Catalogue of and notes on Italian Collembola, DENIS Mem. Soc. ent. ital. **3** pp. 201–214 14 figs.

Notes on Apterygota fauna of France, DENIS Bull. Soc. ent. Fr. **1925** pp. 145–146, 241–245 13 figs.

On the Collembola of N. Africa, 2nd note, DENIS Bull. Soc. Hist. nat. Afr. N. **16** pp. 254–256 1 fig.

Segmentation of thorax of Apterygota, FEUERBORN Zool. Anz. **64** pp. 29–50 figs.

Revision of Collembola, Swiss National Parks, HANDSCHIN Denkschr. schweiz. nat. Ges. **60** 1924 pp. 89–174 7 pls.

Biological and morphological notes on Collembola in springs in North Germany, HANDSCHIN D. ent. Zs. **1925** pp. 227–234.

Collembola from Arctic Ural, LINNANIEMI Mém Acad. Sci. Russ. **28** no. 13 1919.

Notes on Italian Collembola, TEODORO Boll. Soc. ent. ital. **57** pp. 124–125.

Primitive wingless Collembola, TILLYARD N. Z. J. Sci. & Tech. **7** pp. 299–303 3 figs.

List of Apterygota of South-west England, WOMERSLEY Ann. Rept. Proc. Bristol Nat. Soc. **6** 1924 pp. 166–172.

Collembola of Spitzbergen, ZSCHOKKE Rev. Hydrob. suisse **3** pp. 127–128.

Acerentomon doderoi in France p. 97, DENIS Bull. Soc. zool. Paris **50.**

Anoura spinosa habitat p. 373, SMITH N.Z. J. Sci. & Tech. **7.**

Anuridella calcarata **sp. n.** France p. 243 figs., DENIS Bull. Soc. ent. Fr. **1925.**

Boreus californicus mating pp. 52–54, COCKLE Proc. Ent. Soc. Br. Columbia **4** 1914; *B.*, hibernation of larvae and movement in snow pp. 14–15, COCKLE op. cit. **10** 1918.

Bornerella **gen. n.** (near *Proctostephanus*) *zangherii* **sp. n.** Italy p. 205 fig., DENIS Mem. Soc. ent. ital. **3.**

Conotelsa **subgen. n.** see *Polyacanthella.*

Cryptopygus niger **sp. n.** New Zealand p. 94 figs., CARPENTER Mem. Manchester Lit. Phil. Soc. **69.**

Dicyrtoma fusca **varr. n.** *dorsosignata, pallida* Malta p. 125, STACH Ann. Mus. Hung. **21** 1924.

Entomobrya zaitzewi p. 9, *obensis* p. 11, **spp. n.** Siberia figs., LINNANIEMI Mém. Acad. Sci. Russ. **28** no. 13 1919.—*E. nivalis* **var. n.** *abrupta* Malta p. 119, STACH Ann. Mus. Hung. **21** 1924.

Heteromurus (*Heteromuricus*) *stachi* **sp. n.** Ethiopia p. 265 figs., DENIS Ann. Soc. ent. Fr. **94**.—*H. melitensis* **sp. n.** Malta p. 115 fig., STACH Ann. Mus. Hung. **21** 1924.

Hypogastrura hystrix **sp. n.** Switzerland p. 93 figs., HANDSCHIN Denkschr. schweiz. nat. Ges. **60** 1924.

Isotoma chiltoni **sp. n.** New Zealand p. 95 figs., CARPENTER Mem. Manchester Lit. Phil. Soc. **69**.—*I.* (*Pseudisotoma* **subgen. n.**) Switzerland p. 111, HANDSCHIN Denkschr. schweiz. nat. Ges. **60** 1924.

Lepidocyrtus instratus **sp. n.** Switzerland p. 137 figs., HANDSCHIN t.c.—*L.* (*Lepidocyrtoides*) *tunetanus* **sp. n.** Tunis p. 116, STACH Ann. Mus. Hung. **21** 1924.

Lepidophorella australis **sp. n.** Campbell Is. p. 97 figs., CARPENTER Mem. Manchester Lit. Phil. Soc. **69**.

Micranurida sexpunctata **sp. n.** Switzerland p. 98 figs., HANDSCHIN Denkschr. schweiz. nat. Ges. **60** 1924.

Onychiurus zschokkei **var. n.** *armata* Switzerland p. 102; *armatus* **var. n.** *denticulata* Switzerland p. 104, HANDSCHIN t.c.—*O. yagii* **sp. n.** Japan p. 44, *folsomi* antennal organs pp. 75–79, KINOSHITA Insect World **27** 1923.

Orchesella litoralis **sp. n.** Yorkshire p. 155 fig., BROWN Ann. Mag. N. H. (9) **16**.—*O. pseudoluteola* (? var. of *luteola*) p. 269, *lucasi* p. 270, **spp. n.** Algeria figs., DENIS Ann. Soc. ent. Fr. **94**.—*O. villosa* **ff. n.** *divergens, pallida*; *alticola* **ff. n.** *pallida, obscura* Switzerland p. 145 figs., HANDSCHIN Denkschr. schweiz. nat. Ges. **60** 1924.

Paronella bidenticulata **sp. n.** New Zealand p. 99 figs., CARPENTER Mem. Manchester Lit. Phil. Soc. **69**.—*P. carpenteri* p. 261, *berlandi* p. 263, **spp. n.** Fr. Guiana figs., DENIS Ann. Soc. ent. Fr. **94**.

Platanurida **gen. n.**, *lata* **sp. n.** New Zealand p. 91 figs., CARPENTER Mem. Manchester Lit. Phil. Soc. **69**.

Polyacanthella (*Conotelsa* **subgen. n.**) *acuminata* **sp. n.** France p. 241 figs., DENIS Bull. Soc. ent. Fr. **1925**.

Protanurophorus **gen. n.** for *Tetracanthella oxoniensis* Bagn.; *pearmani* **sp. n.** Britain p. 251 figs., WOMERSLEY Ent. Mo. Mag. **61**.

Pseudachorutes brunneus p. 88, *algidensis* p. 90, **spp. n.** New Zealand figs., CARPENTER Mem. Manchester Lit. Phil. Soc. **69**.

Pseudisotoma **subgen. n.** see *Isotoma*.

Sira rosei **sp. n.** N. Africa p. 255 figs., DENIS Bull. Soc. Hist. nat. Afr. N. **16**.

Sminthurides seurati **sp. n.** Mangareva I. (Lower Arch.) p. 273 figs., DENIS Ann. Soc. ent. Fr. **94**.

Sminthurus lesnei **sp. n.** Algeria p. 279 figs., DENIS t.c.—*S. viridis* **var. n.** *picta* Siberia p. 12 figs., LINNANIEMI Mém. Acad. Sci. Russ. **28** no. 13 1919; **var. n.** *marmorata* Tunis p. 121, STACH Ann. Mus. Hung. **21** 1924.

Tetracanthella oxoniensis see *Protanurophorus*.

Triacanthella inopinata **sp. n.** Italy p. 201 fig., DENIS Mem. Soc. ent. ital. **3**.—*T. birói* **sp. n.** p. 109 (with **ab. n.** *monacanthella* p. 111) Malta fig., STACH Ann. Mus. Hung. **21** 1924.

PROTURA.

Primitive wingless Protura, TILLYARD N. Z. J. Sci. & Tech. **7** pp. 298–299 **3** figs.

THE ZOOLOGICAL RECORD.

THE object of the ZOOLOGICAL RECORD is to give, by means of an annual Volume, complete lists of the Works and Publications relating to Zoology in all its branches that have appeared during the year preceding the issue of the Volume, together with a Subject and Systematic Index.

This volume of the "Zoological Record" can be obtained from the Society at the price of 60*s.* per volume.

The Society is unable to supply complete sets of the "Record" now, but can supply *separate* volumes on the following terms:—

Vols. 1 to 42 (except volumes 4, 6, 33, 37 and 38, which are out of print) at 10*s.* each.

Vols. 43 to 57, 40*s.* each.

Volume 63, dealing with the literature of 1926, is in preparation and will be printed and published if a sufficient support is obtained. The advance subscription price is 50*s.*; the price on publication will be £3. Forms of subscription can be obtained on application to The Secretary, Zoological Society of London, Regent's Park, N.W. 8. The prices of the Separate Divisions are given on the other side of this page.

Index Zoologicus.—An alphabetical list of names of genera and subgenera proposed for use in Zoology, as recorded in the "Zoological Record," 1880–1900; together with other names not included in the "Nomenclator Zoologicus" of S. H. Scudder. Compiled (for the Zoological Society of London) by CHARLES OWEN WATERHOUSE and edited by DAVID SHARP, Editor of the "Zoological Record." London, 1902. Price to Fellows, 16*s.* 8*d.*; price to the public, 20*s.*, or if sold with a set of the "Zoological Record," 10*s.*

Index Zoologicus, No. II.—An alphabetical list of names of genera and subgenera proposed for use in Zoology, as recorded in the "Zoological Record," Vols. 38–47 inclusive (1901–1910), and the Zoology volumes of the "International Catalogue of Scientific Literature," Annual Issues 1–10. Compiled (for the Zoological Society of London) by CHARLES OWEN WATERHOUSE, I.S.O., and edited by DAVID SHARP, M.A., F.R.S., editor of the "Zoological Record." London, 1912. Price to Fellows, 12*s.* 6*d.* net; price to the public, 15*s.* net, or if sold with a set of the "Zoological Record," 10*s.*

SEPARATE DIVISIONS OF THE ZOOLOGICAL RECORD.

The complete Volumes consist of separately paged Divisions These may be obtained singly, in paper covers, stitched and lettered.

The following are the Divisions and their net prices, viz. :—

	s.	d.
General Zoology	3	0
Protozoa	3	0
Porifera or Spongida	2	6
Coelenterata	2	6
Echinoderma...	4	0
Vermes	3	6
Brachiopoda and Bryozoa	2	6
Mollusca	5	0
Crustacea	3	0
Trilobita, Arachnida, Myriopoda	4	0
Insecta	15	0
Section A.—Titles and Subject Index ...	4	0
Section B.—Coleoptera	6	0
Section C.—Lepidoptera	6	0
Section D.—Hymenoptera and Diptera ...	4	0
Section E.—Hemiptera, Orthoptera and remaining Orders	4	0
Prochordata	2	0
Pisces	3	6
Reptilia and Batrachia	3	0
Aves	7	6
Mammalia	3	0
List of Abbreviations and Journals	2	6
List of New Genera	2	6

Harrison & Sons, Ltd., Printers in Ordinary to His Majesty, St. Martin's Lane, W.C. 2